

19990315.qrp v01\_n396.qrl.990315

Date: Mon, 15 Mar 1999 19:03:25 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1396

QRP-L Digest 1396

Topics covered in this issue include:

- 1) [35541] May you rest in peace  
by pmk@juno.com
- 2) [35542] World Radio  
by "Bruce" <Bruce2@prodigy.net>
- 3) [35543] QRPTTF Rules Query  
by FrConrad@aol.com
- 4) [35544] Re: 30m is WILD!!  
by k5zty@juno.com
- 5) [35545] Another NC20 up and running  
by Bill Wetherill <n2wg@wilmington.net>
- 6) [35546] FS: TT ARG0 556  
by "Bill Legge, NT1R" <wlegge1@maine.rr.com>
- 7) [35547] "Head for the...border?"  
by n4js@pobox.com (John Sielke)
- 8) [35548] V31 GX on 20  
by Jim Lyons <lyons@canada.com>
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by Paul Stroud <aa4xx@ipass.net>
- 10) [35550] Radio Shack Counter  
by Chuck Adams <adams@ticnet.com>
- 11) [35551] Fun in the WI QSO Party  
by Larry Cahoon <wd3p@juno.com>
- 12) [35552] Tuner question  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 13) [35553] Solar panels  
by Mark Kesner <marklori@visuallink.com>
- 14) [35554] Ft Smith AR QRP gathering  
by Chuck Adams <adams@ticnet.com>
- 15) [35555] totally qrp  
by sda <sda@bellsouth.net>
- 16) [35556] Re: "Head for the...border?"  
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
- 17) [35557] 38 special schematic  
by James R Giammanco <n5ib@juno.com>
- 18) [35558] More 30m WILD  
by aweiss@usd.edu (Ade Weiss W0RSP)
- 19) [35559] WANTED TT: qrp items for mobile hf rig

- by "curt" <curt@icubed.com>
- 20) [35560] 38 Special Schematic  
by James R Giammanco <n5ib@juno.com>
- 21) [35561] Glowbug (Qrp) and Custom Meter(s)  
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 22) [35562] RE: More 30m WILD  
by "Randy Moore" <wr.moore@worldnet.att.net>
- 23) [35563] NC-20 VFO  
by MertNellis@aol.com
- 24) [35564] Solar panels  
by Mark Kesner <marklori@visuallink.com>
- 25) [35565] FYBO '99 RESULTS! (Long)  
by Joe Gervais <vole@primenet.com>
- 26) [35566] Looking for some Plessey SL6700C or SL6700A IC's  
by Jim Cotton <cotton@wmich.edu>
- 27) [35567] K2 picture on my website.  
by George Zafiropoulos <georgez@quickturn.com>
- 28) [35568] Heathkit Schematic?  
by wb2vuo@juno.com
- 29) [35569] Re: totally qrp  
by PUNISHER3@aol.com
- 30) [35570] Ft. Smith Hamfest, Jennifer, Jane Doe #5 and Monica  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 31) [35571] Re: Are you signed up?  
by Mont Pierce <mont@inreach.com>
- 32) [35572] Re: "Head for the...border?"  
by N7YA@aol.com
- 33) [35573] Re: [35488] Re: 'You're not in the book...' (QRL?)  
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 34) [35574] Re: Radio Shack Counter  
by N7YA@aol.com
- 35) [35575] Re: Need suggestions for 10/15M Yagi  
by "David Reid" <dareid@Synopsys.COM>
- 36) [35576] Re: "Head for the...border?"  
by Paul Harden <pharden@aoc.nrao.edu>
- 37) [35577] Charging NiMH  
by Tom Bowman <tbowman@nbn.net>
- 38) [35578] Re: Left-hand vs Right-handed toroids  
by "Mike Yetsko" <myetsko@insydesw.com>
- 39) [35579] Re: Results of my QRP-1/ARRL survey.  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 40) [35580] Iowa QRP Club group buy ends today (March 15, 1999)  
by "John Burnley" <burnley-ia@worldnet.att.net>
- 41) [35581] OHR500 Unbuilt Stn  
by "curt" <curt@icubed.com>
- 42) [35582] Re: QRPTTF Rules Query  
by Jeff Grudin <grudin@pacific.vdbs.com>
- 43) [35583] FW: K4MSW/AG

by "J. Eric Jessen" <E.Jessen@orion-consulting.com>  
44) [35584] FW: 30m is WILD!!  
by "J. Eric Jessen" <E.Jessen@orion-consulting.com>  
45) [35585] NC20 Help  
by "Edward A Kwik jr" <eakwikjr@hti.com>  
46) [35586] Info: Kenwood TS-570D??  
by kreinbd@ccgate.dl.nec.com (David Kreinberg)  
47) [35587] Help  
by Brad Mugleston <bmug@gwl.com>  
48) [35588] Re: Info: Kenwood TS-570D??  
by AC6JA@aol.com  
49) [35589] Multi-Op FYBO Challenge  
by applitech@mcg.net (Claton Cadmus)  
50) [35590] Atlanticon daze: Planning & Kits Sales  
by "George Heron" <gheron@nac.net>  
51) [35591] Re: NC 20  
by "Paul Christensen" <paulc@mediaone.net>  
52) [35592] Re: NC 20  
by "Paul Christensen" <paulc@mediaone.net>  
53) [35593] K8FF Paddle  
by mwattcpa@earthlink.net (Marty Watt)  
54) [35594] Listening 21.060....  
by Fred Lesnick <flesnick@tbaytel.net>  
55) [35595] Fox Hunt experience pays off in WI QSO party  
by Bcieslak@ra.rockwell.com  
56) [35596] FW: Listening 21.060....  
by "J. Eric Jessen" <E.Jessen@orion-consulting.com>  
57) [35597] K8FF paddle bearings  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
58) [35598] On-Off Switch for NC20?  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
59) [35599] Re: NC20 Help  
by flydnq7x@primenet.com (Floyd Smithberg)  
60) [35600] Re: K8FF Paddle  
by Bob Patten <n4bp@bc.seflin.org>  
61) [35601] 40 Meters QRP Net "WSN-40" Report  
by Ed Loranger <we6w@qsl.net>  
62) [35602] FS: GRE Super Converter II  
by Jeff Johns <jeffj@scott.net>  
63) [35603] Re: NC20 Help  
by Gary L Surrency <gsurrency@juno.com>  
64) [35604] Re: On-Off Switch for NC20?  
by "Steve Sorrell" <ap036@detroit.freenet.org>  
65) [35605] Re: NC20 Help: AFA not announcing  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
66) [35606] RE: 30m is WILD!!  
by Pete Burbank <plburbank@kih.net>  
67) [35607] Re: May you rest in peace

by "Steven Weber" <kd1jv@moose.ncia.net>  
68) [35608] Mobile Home Antenna.  
by Ed Loranger <we6w@qsl.net>  
69) [35609] Paul Harden named Grand Poobah Impotent  
Supercalifragilisticxpealidotious for QRP TTF  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
70) [35610] RE: Left-hand vs Right-handed toroids  
by "David C. Cleveland" <ki0nd@sprynet.com>  
71) [35611] Why not 14.040 instead of 14.060?  
by Jeff <fantbb@yahoo.com>  
72) [35612] mW Marauder down but not out  
by Jim Hale <sunwatt@go.com>  
73) [35613] Re: Are you signed up?  
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>  
74) [35614] Re: Muli-Op FYBO Challenge  
by Chris Cartwright <ccart@dns.vidtel.com>  
75) [35615] Soldering Iron heaven.... (SALE)  
by "Radman" <radman@best.com>  
76) [35616] Another NC20 up and runnin!!  
by tom whalen <wb5qyt@eFortress.com>  
77) [35617] SST es KC1  
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>  
78) [35618] Re: Another NC20 up and runnin!!  
by Paul Harden <pharden@aoc.nrao.edu>  
79) [35619] Ruminations about QRP Monoband Rigs  
by "Bruce Prior" <n7rr@hotmail.com>  
80) [35620] What are ECC's? Email QSL's?  
by Bcieslak@ra.rockwell.com  
81) [35621] Re: Help  
by "Jim Kortge, K8IQY" <jokortge@cwix.com>  
82) [35622] QRPTTF Team--East Bay hills, CA or NV/CA border  
by Allan G Taylor <k7gt@arrl.net>  
83) [35623] Ft. Tuthill....When? Ft. Smith....Fun  
by Clifton W Sikes <ab5uacw@juno.com>  
84) [35624] Re: QRPTTF Team--East Bay hills, CA or NV/CA border  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
85) [35625] Portable Chair Found!!!!  
by Ed Loranger <we6w@qsl.net>  
86) [35626] Sold-TT Argo 556, Thanks  
by "Bill Legge, NT1R" <wlegge1@maine.rr.com>  
87) [35627] IC Chip placement discovery. (I never knew this) New guys take note!  
by pmk@juno.com  
88) [35628] For Sale  
by "Gary Evans" <gevans@lightspeed.net>  
89) [35629] Test Equipment  
by Jeff Johns <jeffj@scott.net>

---

Date: Mon, 15 Mar 1999 00:11:01 -0500  
From: pmk@juno.com  
To: qrp-1@lehigh.edu  
Subject: [35541] May you rest in peace  
Message-ID: <19990315.001102.3230.2.pmk@juno.com>

I just lost my favorite soldering iron today.  
I noticed the side of the tip blew out up at  
the element. The end looked FB but I haven't  
changed the tip in a year or so. The base of  
the tip must have crystallized. I tried to back it  
out and it snapped off. I drilled it and the element  
was just as bad.

I will miss you as you brought me so much joy  
through the years, Chisel tip and all. You were  
the only son I ever had.

OK tears are stopped now. I can't seem to find  
my malibnimum grease (I know I didn't spell it rite)  
I think I will try it on the next son I get. Has anyone  
tried it on there's ???

72 de Patrick KD4OBQ

AR

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or call Juno at (800) 654-JUNO [654-5866]

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Date: Sun, 14 Mar 1999 16:08:26 -0800  
From: "Bruce" <Bruce2@prodigy.net>  
To: <qrp-1@lehigh.edu>  
Subject: [35542] World Radio  
Message-ID: <002601be6e77\$f3c83360\$f4809cd1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks to all that sent the URL for World Radio. I got swamped with replies.  
Again, thanks to everyone who sent it.

Bruce WB4WZL

-----  
Date: Sun, 14 Mar 1999 19:32:08 EST  
From: FrConrad@aol.com  
To: QRP-L@lehigh.edu  
Subject: [35543] QRPTTF Rules Query  
Message-ID: <3ee5e3cb.36ec5508@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dear Head Zombie,

First off (with apologies to those who observe the "real" sabbath on Saturday) thanks once again for planning my favorite operating event on Saturday instead of Sunday.

Now, if I operate in Yuma, Az, and I split the difference between the Colorado River, the Mexican Border and the Taco Bell, can I sign CA/AZ/XE/TACOBELL and get a multiplier of 4?

Hey, just askin'.

Ask, and sometimes you get...or something like that.

John+  
WB6MFS

-----  
Date: Sun, 14 Mar 1999 18:38:04 -0600  
From: k5zty@juno.com  
To: n3bj@hotmail.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [35544] Re: 30m is WILD!!  
Message-ID: <19990314.183818.11942.4.k5zty@juno.com>

Because we are not exclusive on 30 meters. We are not even primary on 30. We share it with other services and no contesting keeps down conflicts. It is also a very small band.

Bill, K5ZTY

On Sat, 13 Mar 1999 17:08:34 PST "Alan Fryer" <n3bj@hotmail.com> writes:  
>It's kinda a shame that full blown contesting is not "allowed" on the  
>WARC bands, especially 30M. Anyone know why this is the case ?

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-----  
Date: Sun, 14 Mar 1999 19:57:38 -0500  
From: Bill Wetherill <n2wg@wilmington.net>  
To: qrp-1@Lehigh.EDU  
Subject: [35545] Another NC20 up and running  
Message-ID: <1.5.4.32.19990315005738.0066780c@wilmington.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

Finally got the time to finish my NC20. What a receiver. Can't get more  
than 5 Watts out, but who ever runs that much power. No chirp.

Thanks to all who responded to my slightly askew voltage readings.  
Apparently all were within limits. And thanks to all who put this great  
project together. What a rig.

72,

Bill - N2WG

"PURITY OF ESSENCE" --- QRP

-----  
Date: Sun, 14 Mar 1999 20:02:54 -0500  
From: "Bill Legge, NT1R" <wlegge1@maine.rr.com>  
To: <tentec@contesting.com>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [35546] FS: TT ARG0 556  
Message-ID: <199903150100.UAA20737@proxye1-atm.maine.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

A friend, Brad, W1XV, has a nice Argo 556 for sale. It includes all the band modules except 12 m, NB, mic and manual. The price, \$460 shipped. You can call him at 603-224-5737. Thanks for reading. Bill Legge, NT1R in Yarmouth, ME  
QRP-L #912

-----  
Date: Mon, 15 Mar 1999 01:11:18 GMT  
From: n4js@pobox.com (John Sielke)  
To: qrp-l@lehigh.edu  
Subject: [35547] "Head for the...border?"  
Message-ID: <36f15d5b.4339960@mail.snip.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

My experience with Taco Bell has not been good. Both my son and I have gotten sick at the one here on two occasions. I have not gone back.=20

Perhaps the theme should be "Head for the head?" Photos hopefully NOT required.

Or, "Head for the Pepto-bismol" A X2 multiplier for downing a half bottle of the stuff during the contest period.

Better shorten the exchange for the TACO BELL stations, they may have to go QRX in the middle of a QS0.

=20  
/\_\ /\_\ /\_\ /\_\ John L. Sielke n4js@pobox.com n4js@qsl.net  
( N )( 4 )( J )( S ) NJ Grid:FM29LN <http://www.qsl.net/n4js>  
\\_/ \\_/ \\_/ \\_/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86  
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

-----  
Date: Sun, 14 Mar 1999 20:07:55 -0500  
From: Jim Lyons <lyons@canada.com>  
To: qrp-l@lehigh.edu  
Subject: [35548] V31 GX on 20  
Message-ID: <3.0.5.32.19990314200755.007dc720@pop.hip.cam.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Sam is on 14059 with a very good signal, I just worked him.



Jim Lyons, VE2KN  
Montreal

-----  
Date: Sun, 14 Mar 1999 20:39:21 -0500  
From: Paul Stroud <aa4xx@ipass.net>  
To: QRP-L <QRP-L@lehigh.edu>, klqrp <klqrp@waterw.com>  
Subject: [35549] KnightLites Core Banks QRPedition  
Message-ID: <36EC64C9.B5821F2D@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang,

The KnightLites will be heading back to the North Carolina Outer Banks Mar 25-Mar 28, 1999 on our third annual "KL Outer Banks QRPedition." Our position on Core Banks will be approximately 16 miles northeast of Cape Lookout and four miles east of Davis, NC. Our site is four miles off the mainland, accessible only by boat.

Please listen for us near the standard QRP calling frequencies on 160-10M. Our callsign will be WQ4RP/NA67 and this is an exclusively QRP operation. This year's group includes about 20 operators who will be operating CW and SSB.

Of special interest during this expedition will be an 80M QRPP test with two DL QRP groups led by DL2FI and DF20K. The KL team leader is W4WDN. The US group will be using a 2 element vertical phased array for tx and a beverage for rx. The DL groups will be using verticals. If possible, the contacts will be made using SMiTes on both ends, running 200-400 mW output.

KD4PBS will be running the first known APRS from Core Banks on 144.390 MHz, 1200 baud packet. We would appreciate your listening for this station.

There is also a possibility that we will be operating 6M during the weekend.

BeaconMeister W3RDF along with AA4XX will be running kite-supported beacons on 10, 15, and 160M. Please listen for these birds per the following sked:

Mar 26 15M 21063 KHz 19:00-22:00 UTC  
Mar 27 160M 1812 KHz 00:00-01:00 UTC  
Mar 27 160M 1812 KHz 05:00-13:00 UTC  
Mar 27 10M 28685 KHz 15:00-19:00 UTC  
Mar 27 15M 21063 KHz 20:00-22:30 UTC  
Mar 28 160M 1812 KHz 00:00-01:00 UTC  
Mar 28 160M 1812 KHz 05:00-13:00 UTC  
Mar 28 10M 28685 KHz 14:00-16:00 UTC

AE4IC and W3RDF will be bringing their finely-honed K2 xcvrs to the island to give the group a chance to put them thru the gauntlet.

Our QSL manager is AB4PP. Please enclose a SASE with your confirming QSL.

The KnightLite's Core Banks website provides complete information on this expedition:

<http://www.ipass.net/~aa4xx/core.htm>

We look forward to working our QRP and QRP friends during this expedition.

72, from the KL Gang

-----  
Date: Sun, 14 Mar 99 19:49:31 -0500  
From: Chuck Adams <adams@ticnet.com>  
To: qrp <qrp-1@lehigh.edu>  
Subject: [35550] Radio Shack Counter  
Message-ID: <E10MLg6-00030r-00@smtp.ticnet.com>

Gang,

Just a couple of followup notes on the R/S Counter Catalog #22-306 that is now on sale for \$79.95.

1. When you put in batteries. Note the switch in the bottom that has two positions, one position for NiCads and the other for Alkaline/...

The position of this switch has nothing to do with the operation of the counter. It has to do whether the builtin charger is enabled or disabled. Makes sense when you think about it. Keeps you from

possibly ruining a good counter is you try to charge batteries and they self destruct.

2. Also on the topic of the charger. To run the counter using a wall-wart (AC to DC power source) typically used for all kinds of little critters. NOTE: the center pin is NEGATIVE. Let's all send a letter to R/S and protest this standard. :- ) ;-) All my wall-wart supplies use + as the center terminal.
3. I'd like to go out on a limb here. :- ) I'd like to predict that a large number of these counters will be rendered useless by unsuspecting hams who do not read the instruction manual and specs. On page 27: Absolute maximum input level in the RF mode is 1.4V p-p (peak-to-peak). So with 50 ohm dummy load, how much power would be output by the RF source to get 1.4V p-p?

It is rated for 3ppm +/- at 25 degrees C when AC powered.

FYI

--

Chuck Adams K5FO adams@ticnet.com CP-60  
<http://www.ticnet.com/k5fo>

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Date: Mon, 15 Mar 1999 01:37:37 +0000  
From: Larry Cahoon <wd3p@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [35551] Fun in the WI QSO Party  
Message-ID: <19990315.014041.4006.1.wd3p@juno.com>

Between everything else going on today I managed to get some time in on the WI QSO party. I stayed on 20 Meters, by sunset other duties prevented me from moving down to 40. The total in the end was 31 QSOs in 24 Counties. 30 QSOs at 500 mWatts, and one at the big 5 Watts. 10 of the QSOs were with mobile stations in the contest.

Most stations had no problem copying my signal, although I did manage to get a few to deviate from the standard 599 signal reports. Only one dropped it below a 559, and that was one of my county hunter friends who gave an honest signal reports I'm sure. It was a fun little contest and most of the QSOs come in at 1400+ miles per Watt from here in MD.

Station setup = Sierra + Scaf Filter + Dipole

72/73 de Larry.....WD3P  
1757 Counties worked QRP  
867 Counties worked QRPP

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-----  
Date: Sun, 14 Mar 1999 20:46:38 -0500  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [35552] Tuner question  
Message-ID: <36EC667E.EB5D1393@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

My main station antenna is a multiband dipole (Alpha Delta DXCCish) No center balun and fed with RG8X. I have a number of tuners around the shack. The one that seems to match this antenna to my trancivers the best is the diminutive MFJ-16010 "Random Wire" Tuner. I think it's innards are a simple single coil and single capacitor network. It works, it loads and I can tune to a 1:1 match just about everywhere. I guess my question is with the stated purpose of the tuner being "Random Wire" in nature OR am I doing something wrong and just thinking everything is okay because I get a decent SWr reading???

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----  
Date: Sun, 14 Mar 1999 01:32:17  
From: Mark Kesner <marklori@visuallink.com>  
To: qrp-1@Lehigh.EDU  
Subject: [35553] Solar panels

Message-ID: <3.0.5.16.19990314013217.1d9fe9d0@visuallink.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello All,

Just got my latest "Sportsmans Guide" catalog. While perusing all the neat camping gear and other specials I turned the page and was suprised by a page full of solar panels. The prices seem good, but I am uneducated in this area. They have 5 diferent models listed ranging from 2 designed to charge nicad AA cells to a 15 watt model. The prices are from \$19.97 to \$179.97 plus shipping.

I want a cell to charge the 12v 7Ah gel cell I use for my QRP rigs. I might also use it to keep my motorcycle battery up during periods of light use. Would a 1.8 watt panel be enough? Or should I opt to spend \$50 more and get the 5 watt panel?

For those of you who never heard of this catalog they have a web site.

I've never been to it so I have no idea if these are on it or not, but they do have some good deals on camping equipment, military surplus stuff, gps receivers, etc. Seems like the kind of stuff this group just loves!

All the standard disclaimers apply. I have no affiliation with this company other than as a customer.

Mark Kesner KC4GIA

Winchester, VA

-----  
Date: Sun, 14 Mar 99 20:25:30 -0500  
From: Chuck Adams <adams@ticnet.com>  
To: qrp <qrp-l@lehigh.edu>  
Subject: [35554] Ft Smith AR QRP gathering  
Message-ID: <E10MMEv-0003fM-00@smtp.ticnet.com>

Gang,

On Friday I left the burbs of Dallas TX (well, technically I am in Dallas so it's not really a burb) to make the drive to Ft Smith AR. Now one thing that I don't do much of is watch TV. BZZZZT!!! Should have watched the WX forecast. I packed up only one long sleeve shirt and did not bother with a coat or jacket. :-)

So I'm bopping down the highway at less than posted speed

due to the WX and I was enjoying working stations on 10M CW. I did try SSB but no takers and only a QRZ from RI on one call. I cross the TX/OK border and in the rain soaked window wipers I see white stuff along side the road. Closer look and it's snow. HEY, it's spring in TX. :-)

Got to one point and sat in the road moving nowhere for 45 mins. When I finally get moving along with the 300 other cars stopped I see an ugly scene that I won't bother detailing to the group but a high speed auto accident is not a pretty sight.

The first person on 10M that I work is none other than Cam, HP1AC. He was out collecting FISTS numbers. Now they have this CC # which is a number you get when you work 100 others. So many numbers and so little time..... I managed four DX countries including Argentina and a bunch of stateside stations and I did keep a log.

Get to the hotel around 7pm and Doug and Jay and the gang just left for the restaurant. So get the room key and head for the auto. Nice group at the restaurant and the usual stories about antennas, Q-dope, QRP-L nightmares, etc. Lots of fun.

The next day, standing room only at the start of the QRP forum. Doug really draws the crowds at these things. Good to see some previous people met and some new faces in the crowd.

I think I came back with less equipment than I took. :-)

My thanks to Jay Bromley, W5JAY, and the multitudes of fellow Ft Smith Arkansas Amateur Radio Club members that made Doug and I feel at home. They are a great group of individuals and it is my hope that we were able to convey something about the hobby that will convert those that haven't already tried QRP and those that have went away with something new to do.

Both Doug and I will be back next year as it was fun and the facilities were all indoors so the lack of jacket was not ever a problem the whole trip. They tried to scare us with the threat of more than a foot of snow forecast for Sunday a.m. but that only happened in the central portion of OK..... Winter hasn't left us yet.

Too many people to list here, but at one point the estimate was 70+ at the Forum over the period of time we were there. (I have the signup sheet that I passed around at the beginning with 50 names on it and I will send all a special something later in the week.) Scheduled for 10a.m until 1pm. Ran 10a.m. til after 2pm with a large group meeting at a restaurant afterwards for over an hour before breaking up. Sorry about the AR basketball score guys and girls. Fun to watch Doug (who is a basketball coach beside being a science teacher in high

school) and Jay and the others debate strategy of the game.

So, with the advent of the swapfest season, you should attempt to make these things and see what others are doing.

They had a building contest with two classes, kit and HB.

Winner of the HB was a SWL-40 built by an Elmer who taught code and theory classes in the area and I wanna say John Lowry, KD5GJB, and I hope I got that correct.

Winner of the HB contest was Don Dorn, K5AAR, with a 15 meter transceiver done ugly contruction with one commercial board with the R2. Nicely done.

Also, congrats to the FSAARC for a spectacular gathering and for the wonderful prizes that they gave away during the day. Nice feature that will bring them back next year, I'm sure.

Of course, Doug, KI6DS, did not leave Arkansas with the Red Hot 40 XCVR that I built. With the new case I just had to bring it back to TX to photograph and put on the web page tomorrow. Yeh, that's the ticket. Hope the batteries in the camera are good and this project doesn't take too long or Doug will be without the rig for some time to come.... Yeh, that's the ticket..... ;-)

The Red Hot Radio case is indeed very beautiful and the anodizing is superb. (Sorry to sound like an advertisement, but seeing is believing.) I just love the countersunk screws on the sides so that if you need to turn it on the side on a desk you won't scratch the desk surface. You'll see what I mean when I get the pictures on the web.....

OK, that's the report from here.... See you next year at Ft Smith AR. Some new stuff to happen so stay tuned next year as the event approaches again.

My apologies for errors and omissions to this report.

dit dit

--

Chuck Adams K5FO adams@ticnet.com CP-60  
<http://www.ticnet.com/k5fo>

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Date: Sun, 14 Mar 1999 20:23:13 -0600  
From: sda <sda@bellsouth.net>  
To: qrp-1@Lehigh.EDU  
Subject: [35555] totally qrp  
Message-ID: <199903150222.VAA12899@mail2.lig>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

TOTALLY QRP-----> <http://www.qsl.net/k4msw>  
Overhauled and updated the web page today. Used as many  
of the pics you all sent as I could. If you do not see your pic  
up on the "pics" section, email me again and if you can, send  
a "url" web address that I can link the pic to, otherwise I just  
link the pic to your email address.

Lots more work to do on the page, but it is shaping up. Probably  
won't have time to work on it until next weekend. Keep sending  
in those pics!!

Comments and suggestions welcome.

Peace and 72/73,

Todd Atkins, K4MSW  
Baton Rouge, Louisiana

<http://www.qsl.net/k4msw>

-----  
Date: Sun, 14 Mar 1999 18:34:46 -0800  
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>  
To: John Sielke <n4js@pobox.com>  
Cc: qrp-1@lehigh.edu  
Subject: [35556] Re: "Head for the...border?"  
Message-ID: <19990314183446.B12213@dolphin.openprojects.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

On Mon, Mar 15, 1999 at 01:11:18AM +0000, John Sielke wrote:  
> My experience with Taco Bell has not been good. Both my son and I have  
> gotten sick at the one here on two occasions. I have not gone back.

I am /exactly/ the same way with Angelos and Jack In the Box restaraunts  
(you know, I could /never/ spell that word!). In fact, I'm still in the



process of getting worse having just eaten at Angelos (for the last time)  
just two days ago... :(

Totally redefines the definition of gastrointeritis.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

-----  
Date: Sun, 14 Mar 1999 20:27:05 CST  
From: James R Giammanco <n5ib@juno.com>  
To: QRP-L@lehigh.edu  
Subject: [35557] 38 special schematic  
Message-ID: <19990314.202706.23303.0.N5IB@juno.com>

I found a 38 Special to build (thanks Mark) but my eyesight and the manual's copy of the schematic are incompatible. I went to the NorCal web sight and found a schematic image, but it appears to be Ori's original version without the BJT.

Can anyone point me to a URL where the most current schematic is available?

Or, send it as an attached file to [giamman@rouge.phys.lsu.edu](mailto:giamman@rouge.phys.lsu.edu)

I was using a borrowed 38S over the weekend, and it was FUN. Can't wait to build one of my own.

Jim, N5IB  
[n5ib@juno.com](mailto:n5ib@juno.com)

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You don't need to buy Internet access to use free Internet e-mail.  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 14 Mar 1999 20:35:27 -0600 (CST)  
From: aweiss@usd.edu (Ade Weiss WORSP)  
To: qrp-l@lehigh.edu  
Subject: [35558] More 30m WILD  
Message-ID: <199903150235.UAA04246@sunburst.usd.edu>

Hey -- flipped on the SIERRA, found CE0AA, lit a pipe and settled back for a relaxing long haul. Right -- got him after 12 minutes of calling! CE0AA on 30m!!! WOW!

Last nite -- EA6NB Mallorca, and ES1WN Estonia -- AA5TB worked him also w. QRP!

Also, great half-hour chat with Doc K0EVZ w. vy good short skip. The neat thing about 30m for QRP'ing is that you don't really need a QRP freq -- it is such a narrow band that you can call anywhere a couple of times and any QRP'rs will have tuned the whole band during one of your CQ's!

30m will continue to improve as we move thru spring solstice and the sun rises into north latitude, pumping up the MUF's. If ti gets any better, don't know what I'll do.

No way of finishing DXCC -- just at 50 countries now. So, guess it'll just have to be for fun.

72, Ade

-----  
Date: Sat, 14 Mar 2009 21:44:06 -0500  
From: "curt" <curt@icubed.com>  
To: <qrp-L@Lehigh.edu>  
Subject: [35559] WANTED TT: qrp items for mobile hf rig  
Message-ID: <0007022e8c06\$0471b800\$4e159dd0@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Anyone interested in taking on trade these items listed below for a hf mobile rig with ant tuner and keyer built in, if so drop me a line.....

All Oak Hills Items.....

"All unbuilt" OHR500 with keyer and DD-1 readout

"All assembled" OHR400 with keyer, WM-2, DD-1 readout, and nice little 4 amp PS to drive it. Everything is flawless and working great.

Sell unbuilt stuff outright, but "trade only" on the 400 station and accessories.

Located in WPA...K3ivb

curt

-----  
Date: Sun, 14 Mar 1999 20:47:42 CST  
From: James R Giammanco <n5ib@juno.com>  
To: QRP-L@Lehigh.edu  
Subject: [35560] 38 Special Schematic  
Message-ID: <19990314.204743.23303.1.N5IB@juno.com>

I'm not sure a previous post made it to the list. My mailer hiccupped....

I found a 38 Special to build (thanks Mark) but the manual's schematic and my eyesight are incompatible. I looked for a clean one on the NorCal web site but the image there appears to be Ori's original version (without the BJT)

can anyone point me to a URL with the most current schematic, so I can blow it up to a size I can handle .....

Used a borrowed 38S (K5EOA's) over the weekend while visiting inlaws and it was FUN! Can't wait to build one of my own.....

Jim N5IB  
n5ib@juno.com

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 14 Mar 1999 19:14:04 -0800  
From: "Roger A. McCarty" <rmccarty@earthlink.net>  
To: "'HomeBrew'" <homebrew@qth.net>, "Glowbugs@Piobaire. Mines. Uidaho. Edu" <glowbugs@piobaire.mines.uidaho.edu>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Steven Quick" <ko6ks@csiway.com>, "nu6a (John Marthens)" <jfmarthens@catalina-inter.net>,  
Subject: [35561] Glowbug (Qrp) and Custom Meter(s)  
Message-ID: <000c01be6e91\$e157e620\$8105b2d1@rmccarty.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

A completed GlowBug Qrp rig can be seen at;  
<http://www.qsl.net/kd6cc/glowbug/>

If you have the need for custom meters, there is pictorial essay at;  
<http://www.qsl.net/kr6lp/meter.html>

Roger A. McCarty ARS KD6CC  
<http://www.qsl.net/kd6cc>  
Qrp-L #1555 Southern California

-----  
Date: Sun, 14 Mar 1999 21:21:48 -0600  
From: "Randy Moore" <wr.moore@worldnet.att.net>  
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [35562] RE: More 30m WILD  
Message-ID: <000201be6e92\$f60ed3c0\$7e8c4a0c@wrmoorerpc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Also got CE0AA tonight! I had called several times with no luck, then he sent "QRX 5 MIN" so I listened around elsewhere for a while, then went back and waited for him. About 15 minutes later I think I was the first one to hear his CQ - guess everyone else had given up. Got him on the second call this time!

72,  
Randy, KS4L  
Huntsville, AL

-----  
Date: Sun, 14 Mar 1999 22:33:58 EST  
From: MertNellis@aol.com  
To: qrp-l@lehigh.edu  
Subject: [35563] NC-20 VFO  
Message-ID: <ad19178a.36ec7fa6@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello to all NC-20 fans

After a careful, cautious and educational assembly time, I finished the rig last nite and made two contacts. And today some more, including K8FF whose Norcal paddles I'm using on the NC-20. So far the rig has performed very well and after I make a few fine-tune adjustments I'm sure it will be even better. I do have a bad AFA I.C. but am supposed to get a new one soon. That didn't stop me from completing the rig.

One thing however, my lowest freq is about 14.035 and I'd like to go down to 14.000. I am not anxious to redo my inductor and I think that I might add a few pf's cap where the holes are provided in the VFO circuit board but am wondering what type cap to use to minimize freq drift with temp. Does anyone have some words of wisdom for me regarding this proposed fix? If so, I would appreciate hearing about it.

72, Mert, W0UFO

-----  
Date: Sun, 14 Mar 1999 02:58:00  
From: Mark Kesner <marklori@visuallink.com>  
To: qrp-1@Lehigh.EDU  
Subject: [35564] Solar panels  
Message-ID: <3.0.5.16.19990314025800.2aef078c@visuallink.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I forgot to give the web address for the catalog. It's  
[www.sportsmansguide.com](http://www.sportsmansguide.com).  
Sorry.

Mark KC4GIA  
Winchester, VA

-----  
Date: Sun, 14 Mar 1999 20:42:56 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [35565] FYBO '99 RESULTS! (Long)  
Message-ID: <199903150342.UAA26234@usr08.primenet.com>

Howdy Folks,

Well by my clock it's still Sunday night, so I'm meeting my  
deadline for the FYBO '99 results! \*8-)

First off, at the risk of sounding sappy, we AZ ScQRPions would

honestly like to thank all you FYBO ops for your tremendous support. Seriously! Field Ops, Home Ops, 100+ QSOs or 5, every little bit helps make it fun for everyone. Without you folks getting on the air, FYBO would be a lonely, frozen Fox Hunt with no Hounds.

>From the sounds of things, everyone was relaxing, swapping a few quips here and there, and generally having fun being on the air. That's what a hobby is supposed to be all about. :-) Great job gang!

I'll present the Soapbox Comments and Prize Results next weekend, to give a few days for last minute corrections.

So what am I posting tonight? First a summary of results, followed by three lists: Total Results (sorted by temperature), Field Op Results (sorted by score) and Home Op Results (also sorted by score). It'll be long, but you'll only need to hit your 'delete' key once if that's your choosing. ;-)

So without further ado, let's get to it!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

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#### FYBO '99 Winter QRP Field Day Summary

#### Top 3 Field Stations ( \* = MultiOp )

WQ0RP (*)	- 341,088 pts
WQ3RP (*)	- 95,744 pts
AK7Y	- 79,488 pts

#### Top 3 Home Stations

W5VB0	- 38,064 pts
N4BP	- 14,400 pts
AB7MY	- 9,888 pts

#### Coldest 3 Stations

WQ0RP (\*) - 17F  
AK7Y - 19F  
AB0GO - 20F

#### Warmest 3 Stations

HP1AC - 84F  
KA5T - 80F  
N4BP - 80F

#### Farthest DX Op

JR0BAQ

- Exactly 100 FYBO logs were submitted. Of those, 36 were Field stations and 64 were Home stations. Thanks folks! Proves how important you Home Ops are for us Field Ops! We owe you a collective beer. :)
- Once again, WQ0RP (The MN QRP Society multi-op station) established themselves as the Kings of FYBO, winning both the Lowest Temp (17F), Total QSOs (187!) and Overall Score (a whopping 341,088 points)! Awesome job guys! (Ala 'Wayne's World' - "We're not worthy! We're not worthy!" :-) )
- AZ ScQRPion Brian (W5VB0) took advantage of an unseasonal Phoenix cold snap and stayed with the bands to the tune of 122 QSOs, resulting in a first place Home Op finish. Way to go!
- Many thanks to the DX ops who got on the air, including HP1AC, JR0BAQ, AL7FS, WB6FZH/KH6, VE3JC, and VE3SP.
- Nearly 1/3 (31 stations) of all ops operated at or below 40F! WOW! We're all much more brave (or foolish) than we thought! ;-)
- 17 stations operated in temperatures at or below freezing, showing some serious dedication!
- 3 Home Ops took advantage of frozen backyard sheds and patios to operate at or below freezing. Resourceful. ;-)
- Attack of the milliwatters! 12 milliwatters got on the air and made an impressive showing, some with less power than you generate blowing your nose. :-)
- Most important of all, WELL OVER 100 QRP OPS HAD FUN!

=====

FYB0 '99 Results, All Ops (by Temperature) ( \* = MultiOp station )

Callsign	Loc	QSOs	Max Power	Low Temp	Score
WQ0RP (*)	F	187	5W	17F	341088
AK7Y	F	69	5W	19F	79488
AB0GO	F	29	950mW	20F	34800
AB7TT	F	47	5W	20F	30080
N0TU	F	25	1W	22F	14000
KI0G	F	22	2W	25F	7040
KI0II	H	6	5W	27F	180
W2EB	H	16	5W	27F	1040
AA1MY	F	56	2W	28F	53760
AA5YX	F	26	5W	28F	13520
N0QT (*)	F	37	5W	28F	22200
N0SXX	F	29	4W	28F	2080
WA5WHN	F	41	1W	29F	27880
WA7SSA	F	2	5W	30F	64
W5BI	F	19	5W	31F	7296
NN1G	H	14	2W	32F	1344
VE3JC	F	13	4W	32F	4160
KK6MC/5	F	90	5W	33F	74880
VE3QDR (*)	F	15	5W	33F	7260
W8HP (*)	F	61	5W	35F	40992
W7TA0 (*)	F	43	950mW	37F	60544
KI7MN	F	26	5W	38F	13312
W4IM/7	F	10	5W	38F	480
WA8RXI	F	75	2W	38F	67200
WD7Y	F	55	5W	38F	18480
AB7MY	H	103	5W	39F	9888
W5VBO	H	122	5W	39F	38064
WQ3RP (*)	F	88	5W	39F	95744
AA8PJ	F	33	700mW	40F	26928
KB9LCK	F	14	5W	40F	1200
W6MV (*)	F	41	5W	40F	13776
WE6W	H	79	5W	43F	4503
W6WY	H	25	950mW	44F	3900
WD8RIF	F	40	5W	45F	19200
AC6KW	H	67	5W	47F	7236
N6WG (*)	F	66	950mW	48F	69696
KF2EW	H	20	5W	49F	1440
W5JH	H	12	5W	49F	252
JR0BAQ	H	4	5W	50F	24
KB6FPW	H	64	950mW	50F	4096



W60TX (*)	F	26	5W	50F	6656
AD6A	H	78	5W	52F	3276
NA3V	H	47	5W	53F	1880
AB6MB (*)	F	36	5W	54F	7488
AB70A	F	5	5W	55F	400
AB8DF	H	51	2W	55F	4080
KE4LIA	H	24	2.5W	55F	624
K7GT	H	43	5W	56F	1290
N1MVU	H	14	5W	57F	336
AB5UA	F	37	2W	60F	9472
K5RAC	H	3	5W	60F	12
AI4CW	H	7	3W	62F	84
K1QM	H	49	4W	62F	4508
N0HJ	H	15	4W	62F	330
K7TQ	H	59	5W	63F	1357
KG8YT	H	10	2W	65F	80
KU7Y	H	10	200mW	65F	140
N0IBT	H	20	5W	65F	200
N4EO	H	23	5W	65F	276
W4EEX	H	68	500mW	65F	3400
WA6GER	H	10	5W	65F	60
AF5Z	F	40	950mW	67F	15360
K5LN (*)	F	102	5W	67F	25296
N4IU	H	30	5W	67F	450
N5TW	F	37	2W	67F	5920
KG7PV	H	12	4W	68F	84
N5LU	H	12	5W	68F	120
NS80	H	8	2W	68F	128
VE3SP	H	5	5W	68F	20
W3MWY	H	22	3W	68F	352
W5CGH	F	60	950mW	68F	23040
W6PRI	H	8	4W	68F	16
N3AO	H	13	5W	69F	130
AE2T	H	62	5W	70F	1674
K4GEL	H	7	5W	70F	42
K7YDL	H	8	5W	70F	64
KS4HQ	H	11	5W	70F	99
N0GLM	H	12	5W	70F	96
N2WG	H	23	3W	70F	299
N4UY	H	23	5W	70F	345
N8NRG	H	26	5W	70F	416
NQ7X	H	75	5W	70F	2250
W9SUL	H	32	5W	70F	1024
WB6FZH/KH6	H	7	5W	70F	98
K8CV	H	49	5W	72F	490
KL7H	H	24	5W	72F	816
N4ROA	H	94	5W	72F	5640
AL7FS	H	27	5W	73F	351

W1VT	H	66	4W	74F	3564
K4KJP	H	24	5W	75F	528
K5ZTY	H	15	5W	75F	195
KC5T	H	27	5W	75F	486
KJ5TF	H	20	70mW	75F	1360
KJ5VW	H	46	5W	75F	1058
KN6YD	H	20	5W	75F	140
W5TB	H	14	5W	75F	154
WA8GHZ/5	H	34	5W	79F	918
KA5T	H	27	5W	80F	378
N4BP	H	100	950mW	80F	14400
HP1AC	H	37	5W	84F	814

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FYB0 '99 Results, Field Ops (by Score) ( \* = MultiOp station )

Callsign	Loc	QSOs	Max Power	Low Temp	Score
WQ0RP (*)	F	187	5W	17F	341088
WQ3RP (*)	F	88	5W	39F	95744
AK7Y	F	69	5W	19F	79488
KK6MC/5	F	90	5W	33F	74880
N6WG (*)	F	66	950mW	48F	69696
WA8RXI	F	75	2W	38F	67200
W7TAO (*)	F	43	950mW	37F	60544
AA1MY	F	56	2W	28F	53760
W8HP (*)	F	61	5W	35F	40992
AB0G0	F	29	950mW	20F	34800
AB7TT	F	47	5W	20F	30080
WA5WHN	F	41	1W	29F	27880
AA8PJ	F	33	700mW	40F	26928
K5LN (*)	F	102	5W	67F	25296
W5CGH	F	60	950mW	68F	23040
N0QT (*)	F	37	5W	28F	22200
WD8RIF	F	40	5W	45F	19200
WD7Y	F	55	5W	38F	18480
AF5Z	F	40	950mW	67F	15360
N0TU	F	25	1W	22F	14000
W6MV (*)	F	41	5W	40F	13776
AA5YX	F	26	5W	28F	13520
KI7MN	F	26	5W	38F	13312
AB5UA	F	37	2W	60F	9472
AB6MB (*)	F	36	5W	54F	7488
W5BI	F	19	5W	31F	7296
VE3QDR (*)	F	15	5W	33F	7260
KI0G	F	22	2W	25F	7040
W60TX (*)	F	26	5W	50F	6656

N5TW	F	37	2W	67F	5920
VE3JC	F	13	4W	32F	4160
N0SXX	F	29	4W	28F	2080
KB9LCK	F	14	5W	40F	1200
W4IM/7	F	10	5W	38F	480
AB70A	F	5	5W	55F	400
WA7SSA	F	2	5W	30F	64

=====

FYB0 '99 Results, Home Ops (by Score) ( \* = MultiOp station )

Callsign	Loc	QSOs	Max Power	Low Temp	Score
W5VB0	H	122	5W	39F	38064
N4BP	H	100	950mW	80F	14400
AB7MY	H	103	5W	39F	9888
AC6KW	H	67	5W	47F	7236
N4ROA	H	94	5W	72F	5640
K1QM	H	49	4W	62F	4508
WE6W	H	79	5W	43F	4503
KB6FPW	H	64	950mW	50F	4096
AB8DF	H	51	2W	55F	4080
W6WY	H	25	950mW	44F	3900
W1VT	H	66	4W	74F	3564
W4EEX	H	68	500mW	65F	3400
AD6A	H	78	5W	52F	3276
NQ7X	H	75	5W	70F	2250
NA3V	H	47	5W	53F	1880
AE2T	H	62	5W	70F	1674
KF2EW	H	20	5W	49F	1440
KJ5TF	H	20	70mW	75F	1360
K7TQ	H	59	5W	63F	1357
NN1G	H	14	2W	32F	1344
K7GT	H	43	5W	56F	1290
KJ5VW	H	46	5W	75F	1058
W2EB	H	16	5W	27F	1040
W9SUL	H	32	5W	70F	1024
WA8GHZ/5	H	34	5W	79F	918
KL7H	H	24	5W	72F	816
HP1AC	H	37	5W	84F	814
KE4LIA	H	24	2.5W	55F	624
K4KJP	H	24	5W	75F	528
K8CV	H	49	5W	72F	490
KC5T	H	27	5W	75F	486
N4IU	H	30	5W	67F	450
N8NRG	H	26	5W	70F	416
KA5T	H	27	5W	80F	378

W3MWY	H	22	3W	68F	352
AL7FS	H	27	5W	73F	351
N4UY	H	23	5W	70F	345
N1MVU	H	14	5W	57F	336
N0HJ	H	15	4W	62F	330
N2WG	H	23	3W	70F	299
N4EO	H	23	5W	65F	276
W5JH	H	12	5W	49F	252
N0IBT	H	20	5W	65F	200
K5ZTY	H	15	5W	75F	195
KI0II	H	6	5W	27F	180
W5TB	H	14	5W	75F	154
KN6YD	H	20	5W	75F	140
KU7Y	H	10	200mW	65F	140
N3AO	H	13	5W	69F	130
NS80	H	8	2W	68F	128
N5LU	H	12	5W	68F	120
KS4HQ	H	11	5W	70F	99
WB6FZH/KH6	H	7	5W	70F	98
N0GLM	H	12	5W	70F	96
KG7PV	H	12	4W	68F	84
AI4CW	H	7	3W	62F	84
KG8YT	H	10	2W	65F	80
K7YDL	H	8	5W	70F	64
WA6GER	H	10	5W	65F	60
K4GEL	H	7	5W	70F	42
JR0BAQ	H	4	5W	50F	24
VE3SP	H	5	5W	68F	20
W6PRI	H	8	4W	68F	16
K5RAC	H	3	5W	60F	12

END FYBO '99 RESULTS

-----

Date: Sun, 14 Mar 1999 22:51:45 -0500 (EST)  
 From: Jim Cotton <cotton@wmich.edu>  
 To: qrp-l@Lehigh.EDU  
 Subject: [35566] Looking for some Plessey SL6700C or SL6700A IC's  
 Message-ID: <Pine.GS0.4.02A.9903142247230.28180-100000@puma>  
 MIME-Version: 1.0  
 Content-Type: TEXT/PLAIN; charset=US-ASCII

I am looking for some Plessey SL6700C or SL6700A IC's for a project.  
 They were last in production around 1985... Please reply directly if you  
 have some available. Thanks.

73,

Jim Cotton, N8QOH | jim.cotton@wmich.edu  
Western Michigan University | Phone: (616) 387-6421  
Network Systems Group | Fax: (616) 387-5473

-----  
Date: Sun, 14 Mar 1999 20:07:01 -0800  
From: George Zafiropoulos <georgez@quickturn.com>  
To: qrp-l@lehigh.edu  
Subject: [35567] K2 picture on my website.  
Message-ID: <36EC8765.D57F33D4@quickturn.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I finished off my K2 kit a few weeks ago. There is a picture of the radio and some other goodies on my web site at <http://www.qsl.net/kj6vu>  
'73 de George KJ6VU

-----  
Date: Sun, 14 Mar 1999 23:12:33 EST  
From: wb2vuo@juno.com  
To: qrp-l@lehigh.edu  
Subject: [35568] Heathkit Schematic?  
Message-ID: <19990315.041201.4959.2.wb2vuo@juno.com>

This may not be a QRP-related question, but I have been blessed with a Heath HW-16 and a Heath VF-1 VFO, no docs at all...

Right off the bat, I found and re-soldered about 3K cold solder joints into the VFO, this just from the visual once-over, including properly soldering the padders to the aluminium chassis (easy when you know the trick...)

I am in need of the interconnections between the HW-16 and an external VFO. From the silk-screened labels on the HW-16 chassis, I think that it's wired correctly, but behind the times with the Glowbug gear.

My main comp is on the fritz, and no Web access right now, but I'll gladly pay for copies of the particular section(s) of the book(s) on the Heathkits

Direct replies, please. The bandwidth is getting a bit strained here on the List...

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp.  
Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon  
"My night light runs more power than my Rig!!!"

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 14 Mar 1999 23:38:10 EST  
From: PUNISHER3@aol.com  
To: sda@bellsouth.net, qrp-1@lehigh.edu  
Subject: [35569] Re: totally qrp  
Message-ID: <f161df34.36ec8eb2@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

wow...you've got an excellent webpage. Keep up the good work. Nice pics too  
:)

Ben  
NW7DX

-----  
Date: Sun, 14 Mar 1999 21:16:18 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [35570] Ft. Smith Hamfest, Jennifer, Jane Doe #5 and Monica  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

I just got back from the Ft. Smith Hamfest and QRP Forum. Wow what an =  
exciting weekend. First of all, I want to thank Jay Bromley for his =  
wonderful hospitality. Talk about a great host, Jay, you set the =

standard. I left San Jose at 6:30 AM Friday morning and flew to Dallas. =  
The plane was 15 minutes late, and I was one minute late making my =  
connections to Ft. Smith and missed the plane. The shuttle passenger =  
bus to the plane was pulling away from the gate when I got there, but =  
the crabby ticket agent person would not call it back, even though she =  
had a handie talkie hanging from her belt. We got into a major hassle, =  
and I had to take the next flight 2 hours later.

Boy was that an adventure. We flew a Saab dual prop plane that seats =  
about 30 people. Of course, that was after the shuttle drive took us to =  
4 different planes trying to find one going to Ft. Smith. He would pull =  
up to a plane, get out of the bus, go into the plane and then come out =  
shaking his head. That one was going to Lawton, Ok, the second one to =  
Shreveport, the third one to Tulsa, finally, we find the right plane =  
(didn't do a lot for my confidence in American Express airline). But =  
soon I was buckled in to my seat, and we are taking off in a driving =  
rain storm. I noted that the plane kind of skidded sideways as we were =  
taking off. The lady behind me was nervous. More on her later. Pretty =  
soon the pilot comes on and says in broken english that we will be =  
dodging some weather, and that we should keep our seatbelts on. About =  
10 minutes later it came. Rough weather is not the word for it. The =  
lady behind me is crying and sobbing that she doesn't want to die. I am =  
saying Hail Mary's, and thinking why did I let Jay talk me into this. =  
But the worst was yet to come. Suddenly we dropped like a rock. You =  
know the feeling you get when the roller coaster goes over the top after =  
the climb? Well, this plane dropped several hundred feet, then suddenly =  
started flying again. No screams, nothing from the passengers, just =  
white faces and knuckles. Finally we landed in Ft. Smith. What a =  
relief. It was pouring down rain, and I thought, hey I'm in Dayton. =20

Jay takes me to the hotel, and I realize that I can't be in Dayton, this =  
place has hot water, towels, a clean room, the heater and the =  
airconditioning works and the restaurant is open. First class Holiday =  
Inn Hotel, and it was nice. =20

We waited until 6:20 for Chuck Adams to get there, but he was late, and =  
we had to leave for the dinner that Jay had arranged. Jay left =  
directions at the desk, and I of course helped out by explaining to the =  
lady that Mr. Adams while very tall, was a little slow, and she would =  
probably have to repeat the directions 3 or 4 time but he would finally =  
get it. And as I was walking away I reminded her to NOT take a check =  
from Chuck, as he was not allowed to have a checking account. The lady =  
nodded her head knowingly and assured me that she would see that Mr. =  
Adams was properly taken care of.

Chuck joined us about 10 minutes later at the restaurant, and got a big =  
laugh out of our joke. The dinner was great and it was a pleasure to =  
meet the members of the Ft. Smith ham club who were there to greet us =

and make us feel welcome. We met Kelsey, Red, Keith and Win. Great = bunch of guys, and I went along with them when they offered to have us = try some fried pickles and turkey fries, a local delicacy. (I am from = Kansas, and had eaten them many times before). They were a little = disappointed when I said that they tasted great and calmly asked for = seconds after they explained what they were. Soon, dinner was over and = it was great. Rib Eye Steak, fries and all the trimmings.

Jay took us over to his house, and Chuck and I assembled the first Red = Hot 40 radio in its case. Chuck will have pictures on his website soon. = He said that he needed to take the radio home and do a little more = testing on it. He did a beautiful job on it, and if you want to know = how to convert a NorCal 20 into a Red Hot 40, see the instructions on = the Red Hot Radio website, <http://www.redhotradio.com> .

Jay took us back to the hotel and Chuck and I visited for an hour and a = half, and finally we went to bed. He knocked on my door at 8 AM and we = walked over to the Convention center. Wow, what a great place for a = hamfest. A huge exhibition hall, and quite a few booths and tables, say = 30 or 40 swappers. Only 2 commercial guys made it, as the weather was = awful, with a foot of snow falling in Kansas, Oklahoma and Missouri = during the night. It hurt the crowd for the hamfest, but we were amazed = at the turnout for the QRP Forums.

Chuck and I started at 10 and the room was packed. 75 people in the = audience. Chuck started off and talked about Qrp in general, qrp-1, the = fox hunts, and other general information. I followed with a history of = NorCal and our kits, plus some information on how we do kits. Next = Chuck talked about Spice and how to use it. Great presentation, and the = same one that he is giving at Atlanticon in 2 weeks. Boy are you guys = in for a treat. He had a great hand out, 13 pages, and it is full of = information. The best part was when he showed us how he troubleshoots a = rig. He makes it seem so easy. I finished by talking about the NorCal = 20 project, building kits, having fun in QRP, and the various ways that = you can have fun with the hobby. Lots of questions from the audience, = and I even showed them how to wind a toroid, using a roll of toilet = paper and some coax. Sure gets their attention.

During the talks, we gave away the great prizes that Jay had to give = away. A NorCal 20 kit and 3 Pixies kits from NorCal QRP Club, 3 SWL40+ = Elmer 101 rigs with cases from Dave Benson and the Ft. Smith Ham Club, 3 = copies of the Elmer 101 issue that went with each SWL40+ kit from Paul = Harden, and also from Paul, 3 copies of the QRP Handbook for = Homebrewers, and 3 more copies of the Elmer 101 issue. Gary and Brad = from Embedded Research sent a TiCK Keyer kit, and also copies of the QRP = Frequencies on wallet sized cards. ARCI sent 3 copies of the 1998 FDI = book and a mousepad and coffee cup. Lots of prizes, and we enjoyed = giving them away.



Jay also sold out of the extra copies of the Elmer 101 issues and the QRP Handbook for Homebrewers that Paul sent along for him to sell. The guys were like wolves, crowding around Jay and throwing 10's and 20's at him. =20

After the forum, Chuck and I were privileged to be asked to judge the building contest. There were 12 entries, 6 in the kit division and 6 in the homebrew division. John Edleman (hope I have that name right) won the kit division with an excellent job on the SWL40+. Don Dorn, won the homebrew division with his 15 meter receiver. Digital LED dial based on Bill Jones QRPp article using an LM3914, and an R2 Rick Campbell receiver board. Wonderful job of construction. Great project.

They guys then took us out to a late lunch at the Varsity club. I was hoping to meet Jennifer, Jane Doe #5 and Monica, but the closest I got was that Kelsey claimed to have "known" Jane Doe #5, said that she lived near there. He didn't offer to introduce me, though. I will say that the patrons of the place were in a rather ugly mood as Arkansas was getting knocked out of the tournament by Iowa. Great food again, and lots of nice QRPers.

They plan on hosting another QRP forum next year, and I will be back. Both Chuck and I had a wonderful time, and the guys in Arkansas know how to have fun. The room was filled with laughter the whole time, and it sounded like there was a party going on and it should have, because there was. =20

After the event, Chuck and I agreed that it was a great time, and that the Ft. Smith QRP event will soon be right up there with Atlanticon, Pacificon, Ft. Tuthill, Hamcom, Dayton, Iowa QRP Fest, North Carolina QRP gathering. Another fun time with QRPers. Make plans now if you live in Kansas, Oklahoma, Texas, Missouri, Arkansas, Louisiana, anywhere near. Its fun, its free; and there are lots of QRPers there.

It was also great to see Cliff Sikes and Larry Wise again. Larry drove several hours from Texas to be there, and he is a fun guy. We had a great time talking about the Radio Kit debugging contest.

Again I want to express my appreciation to Jay Bromley for the wonderful hospitality. He paid for my airfare and hotel room and I really appreciate it. Next year, I will pay my own way back there, and will be in the audience as the second year of the Ft. Smith QRP event happens. Jay is already talking about who to invite as speakers, and he has a couple of great ones in mind. Mark the Ft. Smith Hamfest down guys, it will be fun! Also, to all of the guys that I got to shake hands with and meet, what a pleasure it was to meet you in person. Great fun, and I was honored to meet you. Thanks for making me feel so welcome.

And finally, Chuck is a wonderful friend. He surprised me by presenting =  
me with a gift that I will treasure for the rest of my life. He gave me =  
the Brown Brothers Paddle that he so lovingly restored last summer. The =  
pictures are on his website, but the paddles are already on my operating =  
desk, where they will always remain. Chuck, thank you so much for being =  
my friend, I really enjoyed you this weekend. Now I have to get back to =  
sending out missing parts on the NC20. Please be patient with me. 72, =  
Doug, KI6DS

-----  
Date: Mon, 15 Mar 1999 00:48:46 -0800  
From: Mont Pierce <mont@inreach.com>  
To: CQCL@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [35571] Re: Are you signed up?  
Message-ID: <36ECC96E.A94F32F9@inreach.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

CQCL@aol.com wrote:

>  
> By using the League's forwarding service I can change Internet providers every  
> other week and still get all of my e-mail by using their service. I plan to  
> print my new ARRL Internet address on new QSLs, etc., because I don't have to  
> worry about it changing.

I use usa.net for my FREE permanent email address. They have some really neat  
features. I have several email accounts there setup for different purposes. :)

73,  
km6wt  
mont@usa.net  
km6wt@usa.net  
anon-y-mous@usa.net  
km6wt@yahoo.com  
mont@inreach.com  
montp@synacom.com  
...(I collect email addresses, hi hi)...  
qrp-l # 213

-----

Date: Mon, 15 Mar 1999 02:25:19 EST  
From: N7YA@aol.com  
To: qrp-1@lehigh.edu  
Subject: [35572] Re: "Head for the...border?"  
Message-ID: <e8566fb8.36ecb5df@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 3/14/99 6:20:54 PM Pacific Standard Time, n4js@pobox.com writes:

<< My experience with Taco Bell has not been good. Both my son and I have gotten sick at the one here on two occasions. I have not gone back.

>>

I dont know why i love that garbage so much...nothing about it is anywhere near healthy. i guess ive just been lucky when i went there, i like the taco salads and the double-deckers.

do i get extra points for holding it down?

73...Adam, N7YA  
Lynnwood, WA...."Home of E-Coli"

-----  
Date: Sun, 14 Mar 1999 23:26:38 -0800 (PST)  
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>  
To: qrp-1@Lehigh.EDU  
Subject: [35573] Re: [35488] Re: 'You're not in the book...' (QRL?)  
Message-ID: <199903150726.XAA01615@netcom8.netcom.com>

I QRL? in RTTY, and ANY response is enough to indicate the frequency is in use. And yes, I'm sometimes in the two places where CW and RTTY conflict.

As far as "you're not in the book", the proper word is "work 'em first, then figure out if they're legit".

73, doug

A

-----  
Date: Mon, 15 Mar 1999 02:30:32 EST  
From: N7YA@aol.com  
To: qrp-1@lehigh.edu

Subject: [35574] Re: Radio Shack Counter  
Message-ID: <869214d1.36ecb718@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 3/14/99 6:34:57 PM Pacific Standard Time, adams@ticnet.com writes:

<< I'd like to go out on a limb here. :-) I'd like to predict  
that a large number of these counters will be rendered  
useless by unsuspecting hams who do not read the  
instruction manual and specs. >>

well...either that or Radio Shack employees trying to show those hams how  
much they "know" while \*at\* the counter. :-)

73...Adam, N7YA  
in Lynnwood, WA...home of classic rock and hockey haircuts

-----  
Date: Mon, 15 Mar 1999 08:46:55 +0100  
From: "David Reid" <dareid@Synopsys.COM>  
To: sunwatt@go.com  
Cc: qrp-l@lehigh.edu  
Subject: [35575] Re: Need suggestions for 10/15M Yagi  
Message-ID: <199903150746.IAA17158@goofy.gr05.synopsys.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

I've just uploads an article I wrote concerning 10/15/and 20M Delta  
Matched Yagis... it might interest you... it's on my website...

73 es GL OM

de Dave PA3HBB / G0BZF

<http://ourworld.compuserve.com/homepages/drcp/homepage.htm>  
and follow the link to articles

-----  
Date: Mon, 15 Mar 1999 01:25:39 -0700 (MST)  
From: Paul Harden <pharden@aoc.nrao.edu>

To: N7YA@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [35576] Re: "Head for the...border?"  
Message-ID: <Pine.SOL.3.91.990315010145.6921F-100000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 15 Mar 1999 N7YA@aol.com wrote:

> << My experience with Taco Bell has not been good.  
  
> do i get extra points for holding it down?  
>  
> 73...Adam, N7YA  
> Lynnwood, WA...."Home of E-Coli"

Adam and the others,  
There is NO requirement to EAT at the Taco Bell, just operate from near  
one. We're not THAT mean!

And you won't believe this, but I have 3 emails already from guys who  
think they have located a Taco Bell within a few hundred yards from a  
state line. The best one is from our friend Fr. Conrad who located one  
in Yuma, AZ near the AZ/CA/XE/TACO BELL border. Whoda thought? Joe,  
Doug and I need to have a "council of war" and decide whether that should  
be allowed or not. Are there others contemplating that too?

The point of the "Borders" theme, in addition to the fun of getting some  
guys together, traveling to a state line and having fun ... was to  
introduce a "serendipitous" factor to the contest, and hence your score.  
That is, when you work a station during QRPTTF, you don't know if you  
will be receiving one, two, three or four SPC's in the exchange. If you  
work a 3-state border station, it counts as 3 QSO's, one from each state.  
Thus, your score is based more on a level of randomness (how lucky are  
you in working the border stations?) rather than on equipment and  
operating skills alone. Also, most contest exchanges are, well, rather  
boring (599 NM QSL?) ... so we wanted to introduce a variable exchange to  
make it a bit more interesting and fun, and keep it from getting boring.

That's our story, and we're sticking to it!

72, Paul NA5N

-----  
Date: Mon, 15 Mar 1999 07:25:03 -0500  
From: Tom Bowman <tbowman@nbn.net>  
To: qrp-1@lehigh.edu

Subject: [35577] Charging NiMH  
Message-ID: <3.0.5.32.19990315072503.007efb50@nbn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I checked several places on the Web but came up dry:

What is the end voltage or the fully-charged voltage of  
a NiMH cell?

I tried to charge several new NiMH cells this weekend  
in a conventional Nicad charger and the cells read  
about 1.38 volts. Normally, my Nicads  
go to about 1.44 volts.

73,

Tom, WA3REY

-----  
<>< Tom Bowman, WA3REY, Mount Gretna, PA 17064

tbowman@mt-gretna.com

<http://www.mt-gretna.com>

-----  
Date: Mon, 15 Mar 1999 08:04:33 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <guillotstutoring@juno.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [35578] Re: Left-hand vs Right-handed toroids  
Message-ID: <007601be6ee4\$60082d20\$9001a8c0@mikey>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

NO no!! Just build a ground plane antenna upside down!

Mike  
N1DVJ

>You can still use it in the Northern Hemisphere...Just turn the

windings  
>inside out ;)  
>Ed Guillot, N5ED  
>New Orleans, LA  
>  
>  
>>If you're in the Southern Hemisphere, it's OK to wind them  
>>left-handed.  
>>But, if you later bring the rig to the Northern Hemisphere, you won't  
>>be able to talk to anyone.  
>>  
>>It's like that thing with the toilet bowl.  
>>  
>>[snicker]  
>>  
>>Peter, KA1AXY  
>>  
>>  
>>  
>  
>  
>-----  
>You don't need to buy Internet access to use free Internet e-mail.  
>Get completely free e-mail from Juno at  
<http://www.juno.com/getjuno.html>  
>or call Juno at (800) 654-JUNO [654-5866]  
>

-----  
Date: Mon, 15 Mar 1999 08:42:37 -0500  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [35579] Re: Results of my QRP-1/ARRL survey.  
Message-ID: <36ED0E4D.7457@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Glen Reid wrote:

> The results are in for my informal ARRL membership survey of the QRP-1.

> ARRL members	147	81.7 %
> Not ARRL members	33	18.3 %

> I will leave interpretation of this information to each of you.  
> Agin, I make no claims for scientific accuracy or reliability.

Nor do I, but I recently took a look at 100 posters to QRP-L. I found the following:

Current ARRL members	84%
Former members	8%
Never members	8%

What this tells us is that QRP has a significant potential influence on ARRL; this is a higher percentage than the average. I have done the same informal surveys on rec.radio.amateur newsgroups and found percentages from 50% (.policy) to about 85% (.equipment).

I will try to sneak this into one of my weekly reports, so it can make it into the ARRL internal In-Newsletter. :-)

73,  
Ed, W1RFI  
ARRL Lab

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Date: Mon, 15 Mar 1999 07:39:27 -0600  
From: "John Burnley" <burnley-ia@worldnet.att.net>  
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>, <qrp-l@lehigh.edu>  
Subject: [35580] Iowa QRP Club group buy ends today (March 15, 1999)  
Message-ID: <19990315135807.BKFE6577@burnley-ppp>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

This is just a reminder that the Iowa QRP Club group buy with Paul Washa books ends today (March 15, 1999). If you missed the original post I'm repeating it in this message:

I hope you haven't spent all your cash from Santa. The Iowa QRP Club is pleased to announce another group buy from Paul Washa Books (W0TOK). Paul has several titles and options available. Paul has also agreed to extend this offer to QRP-L. Just remember to specify the Iowa QRP Club group purchase when contacting Paul. These prices reflect stateside shipping. Any DX orders should contact Paul first to see if he can accomodate them.



Here are the details:

ARRL 1999 Handbook without software \$27.00 delivered  
ARRL Radio Designer Software \$135.00 delivered

Shipping charges apply to the following books and are calculated based on the order total. The order total will NOT include the 1999 handbook or Radio Designer Software as those are delivered (to you) prices.

ARRL Antenna Compendium 1	\$8.00 plus shipping
ARRL Antenna Compendium 2	\$11.00 plus shipping
ARRL Antenna Compendium 3	\$11.00 plus shipping
ARRL Antenna Compendium 4	\$16.00 plus shipping
ARRL Antenna Compendium 5	\$16.00 plus shipping
ARRL QRP Notebook (W1FB)	\$8.00 plus shipping
ARRL QRP Power	\$10.00 plus shipping
QRP Now!	\$14.00 plus shipping
ARRL Solid State Design	\$12.00 plus shipping
ARRL Intro To RF Design with software	\$23.00 plus shipping
ARRL Antenna Handbook with software	\$22.00 plus shipping

Shipping charges (remember to exclude the 1999 handbook or the Radio Designer Software if ordered when calculating the order total).

\$1-19.99 order	\$4.00 shipping
\$20-29.99 order	\$5.00 shipping
\$30-39.99 order	\$6.00 shipping
\$40-49.99 order	\$7.00 shipping
\$50-59.99 order	\$8.00 shipping
\$60 plus order	\$10.00 shipping

How to order: You must contact Paul and specifically mention the Iowa QRP group purchase. You may contact Paul at: w0tok@email.msn.com or phone (612) 472-8991. His address is:

Paul Washa (W0TOK)  
4916 Three Points Boulevard  
Mound, MN 55364-1245

He will accept checks or money orders (but no credit cards). Do not contact me, but go directly to Paul. This group buy will run until March 15, 1999 (to allow IAQRP members who are not online to read about it in the next newsletter).

My thanks to Paul for extending this offer to the Iowa QRP Club and QRP-L. The usual disclaimers apply: I have no financial interest in Paul's business and am not receiving anything in return for getting this deal together.

72/73, John NU0V

-----  
Date: Sun, 15 Mar 2009 09:30:12 -0500  
From: "curt" <curt@icubed.com>  
To: <qrp-L@Lehigh.EDU>  
Subject: [35581] OHR500 Unbuilt Stn  
Message-ID: <0017022e8c68\$a8e1be00\$4500d2ab@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The unbuilt OHR 500 Stn has been sold,  
and the complete OHR400 stn I will be  
keeping. Thanks for the replies!

curt  
k3ivb

-----  
Date: Mon, 15 Mar 1999 06:32:07 -0800  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [35582] Re: QRPTTF Rules Query  
Message-ID: <36ED19E7.6F793A55@vdbs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well If John gets credit for CA/AZ/XE/Tacobell, I will operate from the beach in Santa Cruz. There is a Taco Bell within a mile (Although there are real Mexican food restaurants closer).

I will sign with: CA/Oceana/Taco Bell.

Since I will be DX from Oceana, I will expect big pileups.

--

73 de AC6KW <mailto:grudin@vdbbs.com>  
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>  
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

-----

Date: Mon, 15 Mar 1999 09:17:57 -0500  
From: "J. Eric Jessen" <E.Jessen@orion-consulting.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [35583] FW: K4MSW/AG  
Message-ID: <1C7185682F54D2119C7200104B2EE1F6083ABE@MAILMAN>  
MIME-Version: 1.0  
Content-Type: text/plain

That's what I was taught too! First, never send faster than you can copy, and second always respond to the other guy at the speed he sent, but third, if the other guy forgot rule #1 and asks you to QRS, then do so. The reason I was given was that this common courtesy.

Only problem is, it's not so common these days.

73 de N8AUC  
Eric  
(Cleveland, OH)

> -----

> From: Ed Tanton[SMTP:n4xy@mindspring.com]  
> Reply To: n4xy@mindspring.com  
> Sent: Sunday, March 14, 1999 12:10 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: K4MSW/AG

>

> FANTASTIC Todd!!! That's great news. I (somehow) recall how great it  
> was to  
> have so many QSP opportunities when I got mine in 1961. Keep up the  
> good  
> work, and work on that code for EXTRA. Don't worry about calling me or  
> anybody else on 7040... it is only common courtesy to QRS to the lower  
> sending rate-whether calling, or being called. And, while there are  
> folks on  
> the bands who won't do that, most of the QRP guys here on QRPL and  
> other

> QRPers, will cheerfully slow down for you.  
>  
> 72 / 73 Ed N4XY  
> -----  
> Ed Tanton N4XY EMAIL: n4xy@mindspring.com  
> 189 Pioneer Trail  
> Marietta, GA 30068-3466 TEL: (770)579-3933  
> -----  
> INTERESTS: \*CW (99.5%) \*QRP (QRP-L# 758)  
> \*BoatAnchors \*Test Equipment \*Photography  
> ~~~~~  
> "Think you can, think you can't:  
> either way you're right!" Henry Ford  
> ~~~~~  
>  
>

-----  
Date: Mon, 15 Mar 1999 09:05:29 -0500  
From: "J. Eric Jessen" <E.Jessen@orion-consulting.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [35584] FW: 30m is WILD!!  
Message-ID: <1C7185682F54D2119C7200104B2EE1F6083ABD@MAILMAN>  
MIME-Version: 1.0  
Content-Type: text/plain

Probably to give the DX a safe haven from the  
contest madness on bands like 20 meters.

73 de N8AUC  
Eric  
(Cleveland, OH)

> -----  
> From: Alan Fryer[SMTP:n3bj@hotmail.com]  
> Reply To: n3bj@hotmail.com  
> Sent: Saturday, March 13, 1999 8:08 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: 30m is WILD!!  
>  
> It's kinda a shame that full blown contesting is not "allowed" on the  
> WARC bands, especially 30M. Anyone know why this is the case ?  
>  
>  
> Alan, N3BJ  
>

> -----Original Message Follows-----  
> From: Pete Burbank <plburbank@kih.net>  
> Reply-To: plburbank@kih.net  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Subject: Re: 30m is WILD!!  
> Date: Sat, 13 Mar 1999 19:49:51 -0500  
>  
> of the fact that the band is not eligible  
> >> for awards. Has this ARRL policy been changed in recent years?  
> >  
> >Pete, I believe you are wrong. You can use dx worked on 30 meters for  
> >overall dxcc and CW DXCC. The ARRL just does not offer band  
> endorsements  
> >(ie. 30 meter dxcc).  
> >  
> >73 de Dave, N0IT  
> Dave, thanks for clarifying this for me, I humbly stand corrected.  
> I guess I need a new handbook.  
> 73 de Pete NV4V  
>  
>  
> Get Your Private, Free Email at <http://www.hotmail.com>  
>

-----  
Date: Mon, 15 Mar 1999 09:47:07 -0500  
From: "Edward A Kwik jr" <eakwikjr@hti.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [35585] NC20 Help  
Message-ID: <36ED1D6B.496E1B43@hti.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I finished section 12 last night. The TICK keyer dits and dahs work fine. Also the the SW1 and the menu sequence work per spec. But when I went to measure the transmit switching voltage in the tune mode things went bad. I got 0 volts at R98 OK in receive mode. But in the tune mode, no +13.3 volts. I measure 0 volts. Did not have a chance to do any further checking. I will do that tonight. Does anyone have any suggestions on how to proceed? How does this sound:

1. check pin 5 of the TICK for output 4.9v
2. check collector of Q19 for 13.2 rx and 0 tx
3. check base of Q20 for 13.48 v rx and 12.46 tx

There was some discussion about using different transistors in the switching applications. Would it be smart just to replace Q20? What part number would that be?

Ed Kwik AB8DF

-----  
Date: Mon, 15 Mar 1999 08:23:36 -0600  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-1@Lehigh.EDU  
Subject: [35586] Info: Kenwood TS-570D??  
Message-ID: <0010823D.4159@ccgate.dl.nec.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part  
Content-Transfer-Encoding: 7bit

Gang,

I'm in the market for a Kenwood TS-570D(G) rig. Can anyone give me inside information on this one?

I have the QST review (rated as very good : Jan. '98) but would like some operator's views. Not necessarily just QRP, but anything - warts and all.

Many thanks. BTW, please send direct (I'm in digest mode), unless you think the rest will benefit.

73 de Dave, NR3E  
QRP-L #25  
nr Dallas, TX

-----  
Date: Mon, 15 Mar 1999 08:25:07 -0700  
From: Brad Mugleston <bmug@gw1.com>  
To: "'qrp-1'" <qrp-1@lehigh.edu>, "'homebrew'" <homebrew@qth.net>  
Subject: [35587] Help  
Message-ID: <01BE6EBD.57BE0DA0.bmug@gw1.com>

Hi, I'm writing two groups because I know 99% of all the knowledge exists in these groups. I'm asking a strange question (at least for me). While at a swap fest Saturday I purchased an AM transmitter - homebuilt and would like to

try to get it on the air. The only problem is I'm not sure about the power supply needed. Let me describe the radio - this will be a simple description as I haven't had the time to get into drawing a complete schematic but will work on it.

OK, it has 3 tubes one each 6146, 6L6 and 12AT7. There are two air variable caps (one labeled Load and the other Final) there is also a nice air wound coil.

Internally there is one iron wound coil and an iron wound transformer. Other than a place to plug a crystal not much else but resistors and caps.

The power supply socket is an 8 pin tube socket. Looking at the socket from where you would plug into it going clockwise from the key pin 7 has a heavier wire going to each of the 3 tubes. There are other power connections but I didn't have the chance to trace them down.

Also, on the face of the rig is a nice small mA meter and a switch labeled On/Plate.

The MIC plug appears to be a 3 conductor but it is just slightly smaller than our current 1/4 plug.

My question - what would be a common power supply for this - i.e. is there a good rule of thumb for power values (pin 4 on the 6146, pin 2 on the 6L6 and pin 2 on the 12AT7 should all be 300 Volts - I just made these numbers up but I think you understand what I am looking for).

This rig is very nicely made. The case is hand made and the labels are stamped into the metal. Oh, there is a place for a TUNE/OPER but the hole has been closed with a plug.

Thanks  
73's  
de KI00T, Brad

-----  
Date: Mon, 15 Mar 1999 10:28:06 EST  
From: AC6JA@aol.com  
To: kreinbd@ccgate.dl.nec.com, qrp-1@lehigh.edu  
Subject: [35588] Re: Info: Kenwood TS-570D??  
Message-ID: <cd591b9f.36ed2706@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

i have the 570S and like everything, except the fact that you can only install 1 filter for ONLY SSB or CW, so i put in the 500hz filter for CW but would have liked to be able to install a SSB filter too. also, the BIGGEST annoyance i have with the rig is the noisy T/R relay. rig supposedly has QSK but the relay noise is annoying. i usually have to wear the headphone which helps greatly.

now i also have the Yaesu FT-900AT that i use exclusively for mobile, but i actually like it better than the 570S. very ruggedly built, built in antenna tuner also, very easy to use in mobile conditions, has remoteable faceplate, can install 2 filters, 1 for SSB, 1 for CW. also has a notch filter the 570S doesn't. both have IF shift. and the best part is VERY SILENT QSK. if it has relays, i can't hear them. so far, i have installed the optional Collins SSB filter and will probably also add the 500hz CW filter.

i would probably recommend picking up a used FT-900AT over the TS-570, but the 900 doesn't have DSP.

oh well, just my opinion.

hope this helps.

mike ac6ja/qrp

-----  
Date: Mon, 15 Mar 1999 09:17:07 -0600  
From: applitech@mcg.net (Claton Cadmus)  
To: "QRP-1" <qrp-1@lehigh.edu>, "MNQRP-L" <mnqrp-1@qth.net>, "Joe Gervais" <vole@primenet.com>  
Subject: [35589] Multi-Op FYBO Challenge  
Message-ID: <01ad01be6ef9\$b7e060c0\$a10a5e2c@groucho>

As you know by the FYBO results we were able to defend Jim NOUR's Cream of Mushroom Soup. There were several other "food bets" on the outcome. On behalf of the Minnesota QRP Society and our team of ten operators/loggers, setup and teardown crews, I would like to suggest to those that lost to please give the food to your local food shelves along with a cash donation equal to the shipping expenses.

Thanks and 73 de KA0GKC Claton Cadmus  
cla@mcg.net  
MNQRP #1  
Minnesota QRP'ers we're looking for you!  
Email me or visit this page <http://www.qsl.net/mnqrp>

-----  
Date: Mon, 15 Mar 1999 10:43:18 -0500



From: "George Heron" <gheron@nac.net>  
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [35590] Atlanticon daze: Planning & Kits Sales  
Message-ID: <014a01be6efb\$047cffa0\$7b327bd1@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The countdown is now 11 days until our QRP extravaganza happens at the Atlanticon QRP Forum! What a time this will be, with QRP presentations from leaders in the field all day Saturday, an open house social gathering on Friday evening before, and a Homebrewing Contest on Saturday evening. We're up to over 43 \*very\* nice door prizes ... there's almost a 50-50 chance that attendees will win some cool QRP prize, ranging from books and Ladder Grabbers up to 5 QRP transceivers!! We'll have a complete list of prizes and donors - you'll be impressed.

Okay, a few information points ... WELCOME PACKAGE. We have a Welcome Package being mailed to all those pre-registered to attend Atlanticon. This will be coming toward the end of this week by US ground mail, containing maps, restaurant guides, local sites and events (e.g., a light train ride down to the famous Baltimore Inner Harbor), transportation info and phone numbers and a hotel services overview. This will be pretty useful information for anyone attending the QRP weekend.

Next point ... SELLING. If you are going to be selling anything (e.g., if you are a club or vendor), we'll need to know about it THIS WEEK. We're arranging tables for you to set up your things on Friday and Saturday evenings and we want to be sure you have what you need. Additionally, and most important, we've arranged Maryland State Sales Permits for you ... if you're selling anything, you must include the 5% Maryland state sales tax to be legal (just as one needs to do these days selling in hamfests), and we need to know if you are intending to sell anything. Please let us know THIS WEEK so we have time to secure the specific form for you. (Contact [n2apb@amsat.org](mailto:n2apb@amsat.org))

If you are coming in by airplane to the BWI Airport, you can get some very reasonable SuperShuttle service to the Atlanticon headquarters at the Holiday Inn Select (or to another hotel you might be staying at) by calling (800)

809-7080. We suggest you make the reservation soon for your arrival transportation.

Don't forget the Friday afternoon excursion we've arranged to the Space Sciences Institute to tour the Hubble Telescope Ground Station, led by our own Paul Harden, NA5N. We'll be meeting in the hotel lobby at 2:30 for a caravan trip to the facility which is only about 10 minutes away.

You can see all the details for the FREE, Jersey QRP-sponsored, Atlanticon QRP Forum at their website (<http://www.njqrp.org/atlanticon/> ) or by sending email to EMBOT@NJQRP.ORG (put SEND ATLANTICON in the body of the message).

This is going to be a fabulous, fun-filled QRP weekend for all! We're right now printing up the QRP Proceedings books (collections of all the papers being presented) and will give them exclusively to all attendees on Saturday the 27th. Paul Harden is now putting the finishing touches on the Atlanticon Badges, which are bound to be collector's items too! (Pre-registered attendees can pick up their badges at the Friday evening social gathering or at the entrance desk for the QRP Forum on Saturday.)

BTW, if you haven't made arrangements to attend Atlanticon with us next week on the 26th and 27th, you can still do so! We've just made arrangements with the hotel to increase the number of allowable attendees to 150!!! So what this means is that we can accept everyone on the Wait List ... AND accept more pre-registrations. Just send an e-mail to Dave Maliniak, N2SMH at [dmaliniak@penton.com](mailto:dmaliniak@penton.com) with your name and address, and we'll prepare an Atlanticon Badge for you, enabling you to be part of the free drawings and QRP fun all weekend long.

Looking forward to seeing many of you there at Atlanticon in two weekends!

72/73,

--George Heron, N2APB  
n2apb@amsat.org in Sparta, NJ  
for the NJ-QRP Club at <http://www.njqrp.org>

-----  
Date: Mon, 15 Mar 1999 10:59:58 -0500  
From: "Paul Christensen" <paulc@mediaone.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [35591] Re: NC 20  
Message-ID: <012001be6efc\$e1596a20\$f6a898a9@mediaone.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Late last week, someone posted a change to the NC 20 whereby one or two MPF-102 transistors are replaced with FET switches more appropriate for the task. Could someone please forward this message to me? Thanks!

-Paul

-----  
Date: Mon, 15 Mar 1999 11:11:31 -0500  
From: "Paul Christensen" <paulc@mediaone.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [35592] Re: NC 20  
Message-ID: <013c01be6efe\$7e1c8760\$f6a898a9@mediaone.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have misplaced my NC-20's On-Off switch! Does someone have the exact Mouser P/N replacement? It's a right-angle PCB type, but I want to ensure that the pin spacing is correct and that the proper threaded/or unthreaded shaft type is used. Thanks!

-Paul

----- Original Message -----

From: Paul Christensen <paulc@mediaone.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Monday, March 15, 1999 10:59 AM  
Subject: Re: NC 20

>Late last week, someone posted a change to the NC 20 whereby one or two

>MPF-102 transistors are replaced with FET switches more appropriate for the  
>task. Could someone please forward this message to me? Thanks!

>

>-Paul

>

>

-----  
Date: Mon, 15 Mar 1999 16:26:35 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: qrp-l@lehigh.edu  
Subject: [35593] K8FF Paddle  
Message-ID: <36ed3378.65948669@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

Anybody have K8FF Paddle bearings? What about narrow-spaced paddle arms?=  
I

thought I had a set, but don't (mine are wide). Beautiful black base,  
unfinished fingerpieces, but the action on the paddles is terrible. I =  
suspect  
the bearings were filed too close ... I got 0.001 clearance, according to=  
my  
micrometer, but when the bearing axis screws are tightened (hand tight), =  
the  
paddle arms don't move.

Trades for a Brass Racer considered <G>. I really need a good travel =  
(but not  
micro) paddle.

--

72 es 73 de Marty, KM7W

-----=  
-----  
Memphis, Tennessee =  
<http://home.earthlink.net/~mwattcpa>  
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =  
EM55ce  
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =  
Vengeance"

Member -- Tennessee Contest Group

Date: Mon, 15 Mar 1999 11:43:08 -0500  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>  
Subject: [35594] Listening 21.060....  
Message-ID: <36ED389B.725961B0@tbaytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am listening on 21.060 should someone want to try and call, there is a flurrie of activity on the freq. now, it is 16:40 z... I worked WB5BRD, and W0CML this morning, also heard V31GX on the freq...  
Hope to work a few more of you folks this week, I am on afternoons, so aside from the cross country skiing, I play radio before I go to work...  
73 Fred  
VE3FAL

-----  
Date: Mon, 15 Mar 1999 10:45:41 -0600  
From: Bcieslak@ra.rockwell.com  
To: qrp-l@lehigh.edu  
Subject: [35595] Fox Hunt experience pays off in WI QSO party  
Message-ID: <86256735.005B1D5D.00@ramilwsmt01.ra.rockwell.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

This was the weekend of the Wis QSO party and was my best effort since I started competing in the test with 250 QSO's and 64 multipliers for a total 25,600 points that should put me in the upper 20%.

I want to attribute my success to those pesky foxes I've been chasing the last few years. The shack was set up to dig those weak signals out of the 40m noise level so I was working stations that others couldn't hear or just didn't want to struggle with. I was well trained to listen for signals that didn't necessarily break through the noise level but modulated the static enough to pull out the QSO info. I heard a lot of familiar QRP-L calls in there too, who knew how to work those RST 509 QSO's.

Next battle.....WPX contest....

Brian AE9K

-----  
Date: Mon, 15 Mar 1999 12:07:28 -0500  
From: "J. Eric Jessen" <E.Jessen@orion-consulting.com>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [35596] FW: Listening 21.060....  
Message-ID: <1C7185682F54D2119C7200104B2EE1F6083AC5@MAILMAN>  
MIME-Version: 1.0  
Content-Type: text/plain

It would be really cool if the boss would let us (me and the other 2 hams on the staff) put an antenna near a window. Being 30 stories above ground would really be neat, but until he changes his mind about antennas in the office, I'm gonna have to get my daytime propagation reports through the reflector.

Drooling and jealous 30 stories above Lake Erie.....

73 de N8AUC  
Eric  
(Cleveland, OH)

> -----  
> From: Fred Lesnick[SMTP:flesnick@tbaytel.net]  
> Reply To: flesnick@tbaytel.net  
> Sent: Monday, March 15, 1999 11:43 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Listening 21.060....  
>  
> I am listening on 21.060 should someone want to try and call,there is  
> a  
> flurrie of activity on the freq. now,it is 16:40 z...I worked  
> WB5BRD,and  
> W0CML this morning,also heard V31GX on the freq...  
> Hope to work a few more more of you folks this week,I am on  
> afternoons,so aside from the cross country skiing,I play radio before  
> I  
> go to work...  
> 73 Fred  
> VE3FAL  
>

-----

Date: Mon, 15 Mar 1999 09:15:37 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <mwattcpa@earthlink.net>  
Cc: <qrp-1@lehigh.edu>  
Subject: [35597] K8FF paddle bearings  
Message-ID: <01be6f07\$72460c00\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Marty, you can get replacement bearings for the NorCal K8FF Paddles from Doug Hauff at San Luis Machine, the address is on the NorCal Web Page. I think the bearings are \$2 each. Larry East has a neat solution to the spacing of the arms. Look on the NorCal Web page to get an idea on how to solve the problem. Really simple and elegant idea. 72, Doug, KI6DS

-----  
Date: Mon, 15 Mar 1999 09:18:46 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <paulc@mediaone.net>  
Cc: <qrp-1@lehigh.edu>  
Subject: [35598] On-Off Switch for NC20?  
Message-ID: <01be6f07\$e2919b00\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Paul, there was not enough money in the project to put an on - off switch on the NC20. The pads are there, but you will need to drill a hole in the back panel and probably use a panel mount toggle switch, which is the easiest way to go. Run wires to the pads provided. So the good news is that you did not lose the switch!! 72, Doug, KI6DS

-----  
Date: Mon, 15 Mar 1999 10:17:57 -0700 (MST)  
From: flydnq7x@primenet.com (Floyd Smithberg)  
To: eakwikjr@hti.com, qrp-1@Lehigh.edu  
Subject: [35599] Re: NC20 Help  
Message-ID: <199903151717.KAA23824@smtp02.primenet.com>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi Ed, I had the same problem...rcvr dead, traced it to Q20 that was turned 'ON' all the time...muting rcvr. Replaced it with R/S 2N3906...rcvr now ok... then got to xmtr section and no tx12 volts at Q20 ...further cks...found the R/S 2N3906 was mismarked ebc instead of cbe, reversed it and then rcv & xmt voltages ok...rcvr & xmtr now worked! Beware of R/S 2N3906s...I had a pack of theirs and found half of them reversed...cked with R/S DVM hfe transistor checker. I later replaced with 'good' 2N3906 to agree with pcb.

>I finished section 12 last night. The TICK keyer dits and dahs work  
>fine. Also the the SW1 and the menu sequence work per spec. But when I  
>went to measure the transmit switching voltage in the tune mode things  
>went bad. I got 0 volts at R98 OK in receive mode. But in the tune  
>mode, no +13.3 volts. I measure 0 volts. Did not have a chance to do  
>any further checking. I will do that tonight. Does anyone have any  
>suggestions on how to proceed? How does this sound:

>

- >1. check pin 5 of the TICK for output 4.9v
- >2. check collector of Q19 for 13.2 rx and 0 tx
- >3. check base of Q20 for 13.48 v rx and 12.46 tx

>

>There was some discussion about using different transistors in the  
>switching applications. Would it be smart just to replace Q20? What  
>part number would that be?

>

>Ed Kwik AB8DF

>

>

73 Floyd NQ7X Phoenix ScQRPion

-----

Date: Mon, 15 Mar 1999 12:25:24 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Marty Watt <mwattcpa@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [35600] Re: K8FF Paddle  
Message-ID: <Pine.3.89.9903151243.A6986-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 15 Mar 1999, Marty Watt wrote:

>

> unfinished fingerpieces, but the action on the paddles is terrible. I suspect  
> the bearings were filed too close ... I got 0.001 clearance, according to my  
> micrometer, but when the bearing axis screws are tightened (hand tight), the



> paddle arms don't move.

Take a couple of spins with the paddle arms on fine grit sandpaper, that will get your clearance back. Worked for me...

73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

-----  
Date: Mon, 15 Mar 1999 17:35:31 +0000

From: Ed Loranger <we6w@qsl.net>

To: qrp-l@lehigh.edu

Subject: [35601] 40 Meters QRP Net "WSN-40" Report

Message-ID: <36ED44E3.27AE@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Good Morning Friends, and happy Monday.

As usual, I operated portable at the local park.

Here's my report.

At 6:30 AM I doublechecked my travel box which I had saved from the trash heap at work. It has a separate compartement in the bottom for a 15 AH or maybe larger gel-cell.

The box stored everything except my spare antenna which was wound a thin plywood, just a bit too wide to fit in the box, but otherwise the box held the following:  
OHR-100, 2 each 2.1 AH gel cells, cables, 2 screwdrivers, Pwr/swr meter, ATU, and the Vibroplex Bug. I topped it off with my logbook inside the lid with pencil, and compressed in a shirt so nothing rattled.

The box was not too heavy and the handles had a heavy woven strap which secured nicely to the bicycle rack.  
At 7:45 I was on the road, pedalling the 3 to 4 miles to the park.

I arrived at 8:00 AM to find the horseshoe club tournament running so I set up by the baseball field, sitting on a rock and all the gear on my travel box. The antenna was only 3 feet high and one leg threaded between the crotch of a tree and I ran twine to another tree. pink string draped over the low antenna served to keep the dog-walkers from running into my setup which bordered the parking lot.

I heard great signals and tuned up the antenna. Then I fraternized with my pals at the horseshoe club until NET time.

I was first to check in. All reports were fine and I was again amazed that a resonant dipole 3 feet off the ground could work so well. Sure this is no DX antenna, but I'm not after DX.

Just meeting my buddies on a Saturday for some coffee.

14 check-ins or so, and the net closes just after 1800Z. An other fine Saturday net sitting on a rock with a 3 foot high antenna.

How sweet it is!

72/Ed Loranger es cu next week.

--

-Ed AR QRP Millennium QSO's=510/2000  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Mon, 15 Mar 1999 11:40:03 -0600  
From: Jeff Johns <jeffj@scott.net>  
To: qrp-l@Lehigh.EDU  
Subject: [35602] FS: GRE Super Converter II  
Message-ID: <199903151740.LAA07960x@scott.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

If anyone is interested I have a GRE Super Converter II which converts 800MHz signals to the 450MHz range for sale. The unit has a female BNC on one end and male BNC on the other so it sits on top of a handheld scanner quite nicely. It is powered by an internal 9volt battery and also has a jack for 9 volts DC. covers 810-912MHz including the cellular band. If anyone is interested, just drop me an email.

73 Jeff

\*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----\*  
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, A0-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA
\*-----\*

-----  
Date: Mon, 15 Mar 1999 09:49:26 -0700  
From: Gary L Surrency <gsurrency@juno.com>  
To: eakwikjr@hti.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [35603] Re: NC20 Help  
Message-ID: <19990315.104721.-4184221.0.gsurrency@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed,

Several things can cause the TX supply to not appear on Q20's collector during transmit:

Q20 is the wrong device, i.e., a 2N3904.  
Q20 is installed backwards.  
Q20 is bad.  
The +TX line at Q20's collector is grounded.

Several good candidates for Q20 are:

MPS2907  
2N4403  
NTE159

and of course, any variation of the venerable 2N3906, MPS3906, etc.

Since there is only a small current draw through Q20 to the NE602 mixer and post-mixer bandpass amp, the collector current rating is not as high as some QRP rigs. Good switching characteristics is more important, as it produces nice keying.

When you remove Q20, check to see if the collector pad is shorted to ground before replacing the transistor. That may prevent another device from failing too.

My favorite keying transistors are the 2N4403, and NTE159 (best, with low Vce\_sat and 1A Ic rating). They are rugged, have high DC beta, and switch very well. A few selected 2N3906's are about as good, but they generally have much higher Vce\_sat voltage and don't perform quite as well when more Ic (collector current) is required in some rigs. The 2N2907 and 2N2907A and its plastic equivalent MPS2907A are also good, and they are the complement device to the 2N2222 and its variations.

Please note that you should always use a fuse of no more than 2 amperes, or use a current-limited power supply to prevent vaporizing PB traces if something is a dead short to ground. This is good practice with any equipment, and will save you a lot of grief.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

Date: Mon, 15 Mar 1999 17:57:54 -0000  
From: "Steve Sorrell" <ap036@detroit.freenet.org>  
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [35604] Re: On-Off Switch for NC20?  
Message-ID: <005d01be6f0d\$5af339a0\$c842b3c7@sorrells>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Also, don't forget to cut the trace if you put a switch in!  
de Steve, W8SFF

---

Date: Mon, 15 Mar 1999 09:57:51 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <ekdave@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [35605] Re: NC20 Help: AFA not annunciating  
Message-ID: <21f901be6f0d\$5b0f2610\$140a0a0a@double\_trouble.reliablemeters.com>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dave --

Most likely your VFO is not near the correct frequency. You will need to adjust it to within 13.9 MHz to 14.2 MHz before the AFA will respond.

All your measurements look OK.

Mike K1MG

-----Original Message-----

From: David Ek <ekdave@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Sunday, March 14, 1999 12:50 PM  
Subject: NC20 Help: AFA not annunciating

>Gang,

>

>Have run into a problem while building my NC20. Just finished the AFA  
>section, but I'm getting no audio from the annunciator. ...

-----  
Date: Mon, 15 Mar 1999 13:20:39 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [35606] RE: 30m is WILD!!  
Message-ID: <3.0.32.19990315131204.006eab48@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:29 AM 3/15/99 -0800, you wrote:

>

>30m is available for awards...but contests are not 'allowed' there, by  
>gentleman's agreements.

Allan,

Tnx for the reply. That seems to be the consensus. My '89

Handbook (ch38) says the opposite ...bum dope I guess.  
73 Pete NV4V

-----  
Date: Mon, 15 Mar 1999 13:37:44 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: pmk@juno.com  
Cc: qrp-1@lehigh.edu  
Subject: [35607] Re: May you rest in peace  
Message-ID: <199903151822.NAA13401@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

> I just lost my favorite soldering iron today.

A sad day indeed ;-(

> OK tears are stopped now. I can't seem to find  
> my malibnimum grease (I know I didn't spell it rite)  
> I think I will try it on the next son I get. Has anyone  
> tried it on there's ???

I use the white heat sink compond to keep my tips from freezing up.  
Seems to work good, never had a problem getting the tips off since  
I've started using it, years ago.

Speaking of irons, I was always fond of the Ungars, which Radio Shack  
carries. These use the tips that screw on the outside of the element.  
I don't like the ones which screw inside the element, as they often  
brake off and you can't get the end out.

However, the cord fryed on one of the really old handles I had, so  
went to replace it. Found out they changed the handles and heating  
element to something new. The old elements used to screw in like a  
light bulb, the new ones plug in. Didn't have it two days before the  
element broke down near where it plugs in. Got a new element, two  
days later, that one broke the same way. So much for the Ungers,  
going to buy a temp controled station soon...

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----

Date: Mon, 15 Mar 1999 18:30:33 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-1@lehigh.edu  
Subject: [35608] Mobile Home Antenna.  
Message-ID: <36ED51C9.2750@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang. I had sufficient qso's this weekend to report that I have a "usable" antenna for my qrp work.

Efficiency is not the best, but it is working with my 5 Watts. I got some of my regulars, though QSB is worse than it should be.

This will be an on-going project, for sure.

Here's what I have so far, and it does work:

I have 28 awg magnet wire inside the house. The two wires are parallel with a small space between them. they are built like ladderline by just using a small piece of duct tape every 6 inches to hold the wires apart. The line connects to the antenna tuner.

The line heads out under the wooden widow trim and over a metal bar in the window that the magnet wires sometimes touch. The pair of wires continues out the window and sandwiched between two long, 3 foot sections of duct tape. On tape is run from the window and down to the siding "skirt". The parallel line is then taped down by another tape. The line is then run horizontally for 6 feet then up to the roofline where I sandwich the line again between tape and the home. This ends the feedline.

One wire heads due north and spaces only 1/4 inch above the metal roof. This wire is 1/4 wave. The other wire heads East and forms an 80 degree angle form the North wire. The East wire rises about 1 foot every 3 feet until about 10 feet from the feedline. It is here that I tape the line off about 1 inch from the swamp cooler. The line runs 12 feet more East and about 2 feet higher and draped over the juniper-stle bush.

Pretty weird, eh?

I only had one hour to figure this out, so I didn't have time to

install "REAL" stand-offs. Har! Every now and then the line shorts, but not too often.

I just wanted something up on the roof real quick.

I made about 8 qso's and it is doing the job.

Reports show I am 2 "S" units lower compared to the other qrp stations worked. So 569/549 is typical sent/rcvd.

I'm on the air, limping along during the week.

Bett'r 'n nuthin.

More experiments next week.

72/Ed Loranger we6w/6 and stealthy.

--

-Ed AR QRP Millennium QSO's=518/2000

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Mon, 15 Mar 1999 11:15:30 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [35609] Paul Harden named Grand Poobah Impotent  
Supercalifragilisticxpealidotious for QRP TTF  
Message-ID: <01be6f18\$317fa620\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Guys the official NorCal QRP to the Field rules are now out and I am pleased to announce that Paul Harden has been named Grand Poobah Impotent Supercalifragilisticxpealidotious for QRP TTF questions. If you have a question about anything dealing with QRP TTF, ask Paul, if he doesn't know the answer he'll make one up. His decision are all final, and since I failed to make any political connections this weekend in Arkansas, you can't appeal this to the Supreme Court. Darn, sure wish I could have talked Kelsey into introducing me to Jane Doe #5.

Anyway, I am looking forward to working a bunch of you on the air. Paul and I will be operating again from a top secret site that we won't reveal until the contest. Questions go to Paul, logs go to Joe, NorCal's resident



contest Guru. See you in the contest, and remember, the goal is to have FUN, FUN, FUN!!!!!!!!!!

Doug, KI6DS

-----  
Date: Mon, 15 Mar 1999 12:04:15 -0700  
From: "David C. Cleveland" <ki0nd@sprynet.com>  
To: <myetsko@insydesw.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [35610] RE: Left-hand vs Right-handed toroids  
Message-ID: <000201be6f17\$72b8d7c0\$147c9ad1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

Mike,

Does that make it an airplane?!?!? And if so, does the prop need to spin in the opposite direction?

David C. Cleveland  
Amateur Radio Callsign, KI ND  
Highlands Ranch, Colorado  
303.683.1534  
303.683.1408 fax

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Mike Yetsko  
Sent: Monday, March 15, 1999 6:05 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Left-hand vs Right-handed toroids

NO no!! Just build a ground plane antenna upside down!

Mike  
N1DVJ

>You can still use it in the Northern Hemisphere...Just turn the windings

>inside out ;)  
>Ed Guillot, N5ED  
>New Orleans, LA  
>  
>  
>>If you're in the Southern Hemispher, it's OK to wind them  
>>left-handed.  
>>But, if you later bring the rig to the Northern Hemisphere, you won't  
>>be able to talk to anyone.  
>>  
>>It's like that thing with the toilet bowl.  
>>  
>>[snicker]  
>>  
>>Peter, KA1AXY  
>>  
>>  
>>  
>  
>  
>-----  
>You don't need to buy Internet access to use free Internet e-mail.  
>Get completely free e-mail from Juno at  
<http://www.juno.com/getjuno.html>  
>or call Juno at (800) 654-JUNO [654-5866]  
>

-----  
Date: Mon, 15 Mar 1999 11:22:07 -0800 (PST)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-l@lehigh.edu>  
Subject: [35611] Why not 14.040 instead of 14.060?  
Message-ID: <19990315192207.29005.rocketmail@send1e.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I was on 20 meters yesterday and noticed that 14.060 is hard up  
against the digital portion of the band. In fact I heard no CW past  
maybe 14.062.

On 40 meters at 7.040 I hear QRP signals all the way past 7.050 at  
times.

Go me to thinking how in the world did we QRPer's end up at 14.060?  
Just one of those mysteries of life I guess. 8-)

Jeff

==

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

-----  
DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Mon, 15 Mar 1999 11:28:20 -0800 (PST)

From: Jim Hale <[sunwatt@go.com](mailto:sunwatt@go.com)>

To: QRP-L@Lehigh.EDU

Subject: [35612] mW Marauder down but not out

Message-ID: <0F8N00DKKI375I@mta1-pp.infoseekmail.com>

MIME-version: 1.0

Content-type: TEXT/PLAIN; CHARSET=US-ASCII

The ice that came before the snow took out my 2 element 10/15M quad beam at 70'. Also found that my 160/80/40M tower mounted dipoles also went down.

That really hurts, but today the ice melted off the wire antennas and I made my first QSO in awhile.

As the last ice fell off my 20 & 30M half square's, my antenna analyzer gave good readings. A little stretched maybe, as readings were 1.1 at 9.990 and 13.990MHz rather than the QRP freqs. The wire stretched but did not break. Yaho000

My 20M half square has a 12M inverted vee hanging from the feedpoint. And the 30M half square has a 17M vee hanging from its feedpoint. Giveing me 4 bands useing 2 RG58 feedlines. (Maybe i invented this?) :-)

Naturally I've been worried my milliwatting would crawl to a halt with the loss of the beam at 70'.

It felt great when KG4T0 (QSL via N4T0) heard me on my second try today! It was on

17M at 18:37Z. My QRP+ was turned down to 10mW.  
So maybe that means that it dosnt take a beam  
and tower to have milliwatt success.

The half squares are hung between Oaks in the front yard only 25' off the ground.

BTW, my previous record for KG4 land (Gitmo Bay in Cuba) was 11mW in the ARRL CW  
DX test.

That was with my 10M beam at 70'. Beat that by 1mW today with a wire antenna only  
20' off the ground. And its sure not pointed at Cuba. hi hi

I've got a home brew 10M vertical ready to put up on the roof this afternoon. I  
can extend it for 15M too.

I'm back!

Glad to see so many milliwatt stations in the FYBO contest. More milliwatt  
marauders!

Now QRT to clear trees off my driveway - hi

72/71's de Jim

--  
<http://www.go.com>

-----  
Get your Free GO Network Email address at <http://mail.go.com>

-----  
Date: Mon, 15 Mar 1999 11:29:09 -0800  
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>  
To: Mont Pierce <mont@inreach.com>  
Cc: qrp-l@lehigh.edu  
Subject: [35613] Re: Are you signed up?  
Message-ID: <19990315112909.C14546@dolphin.openprojects.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

> > By using the League's forwarding service I can change Internet providers every  
> > other week and still get all of my e-mail by using their service. I plan to  
> > print my new ARRL Internet address on new QSLs, etc., because I don't have to  
> > worry about it changing.

>

> I use usa.net for my FREE permanent email address. They have some really neat

> features. I have several email accounts there setup for different purposes. :)

I am suprised to hear that nobody is using bigfoot.com. I use bigfoot.com primarily for it's anti-spam filtering -- it's the best I've seen yet. And if you DO get spam addressed to that, simply forward it to the postmaster. You WILL receive a personal response to your mail, though not necessarily right away.

Excellent service for free...who could ask for anything more?

```
=====
      KC5TJA/6      |                      -| TEAM DOLPHIN |-
      DM13         |                      Samuel A. Falvo II
      QRP-L #1447  |                      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

-----

Date: Mon, 15 Mar 1999 15:50:37 -0500 (EST)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: Claton Cadmus <applitech@mcg.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [35614] Re: Muli-Op FYBO Challenge  
Message-ID: <Pine.LNX.3.93.990315154243.1033F-1000000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 15 Mar 1999, Claton Cadmus wrote:

> setup and teardown crews, I would like to suggest to those that lost to  
> please give the food to your local food shelves along with a cash donation

Hey Cla!

Next year... you guys hear me! Next year we'll get you, and your little dog too :) But in the mean time, a case of Clam Chowder is on it way to a local food pantry, care of the MN QRP Club. Seems that the MDmW's just need it to be twice as cold as it usually is, and work twice as many people, and we'll have a chance.

Great show, and thanks to all those who helped us into second place again this year. See y'all in eleven months. 72 MDmW #5

```
-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

-----  
Date: Mon, 15 Mar 1999 11:53:35 -0800  
From: "Radman" <radman@best.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [35615] Soldering Iron heaven.... (SALE)  
Message-ID: <199903151951.LAA12658@proxy3.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

Gang,

Recent commiseration over the "death" of old soldering irons prompted me to write. When my old Ungar 18W pencil turned crimson, rolled over and went stone cold, I was grief stricken. But, it turned out to be a blessing in disguise. Instead of spending another \$15 - \$20 on a replacement pencil -- I opted for a Weller temp controlled solder station. I'll never go back :-)

I believe Wassco has the best price, URL:  
<http://www.wassco.com/was/wtconoutstat.html>

Weller "WTCPT" Controlled Output Station:

Select soldering tip temperature simply by changing the heat-sensing soldering tip. A magnetic contact switch and closed loop low voltage circuit controls power output to the soldering iron and the tip temperature. Features include a blue static dissipative case and handle to provide ESD protection, a lightweight soldering pencil with built-in heat shield fitted with a PTA7 700 F screwdriver tip, a non-burnable silicone rubber cord, and a non-heatsinking iron holder with sponge. UL listed.

SALE PRICE: >> \$79.95 <<  
Call Wassco at: 1-619-679-8787

For Weller tips, check out Tool Town, URL:  
<http://www.tooltown.com/ptdeal.htm>  
Or Phone: 425-485-8055 Fax : 425-485-7819

All WTCPT tips are \$2.07 each.

Std disclaimers... happy soldering,

72 -- Conrad -- NN6CW

-----  
Date: Mon, 15 Mar 1999 13:09:39 -0700  
From: tom whalen <wb5qyt@eFortress.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [35616] Another NC20 up and runnin!!  
Message-ID: <36ED6903.3A90@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QRP Gang!

Just finished my NC20!!! Everything works just fine, and tuneup was a snap! Yesterday, when I just had the rec working, I heard DOC K0EVZ on and he was loud, so I knew that was a good omen!! Today, after tuning the rig up, I went to .060 and called CQ..Runnnning it at 5 watts(looks like it will do 6) into a 40m zepp up 25ft. Guess who came back to my CQ!! None other than N0TU/QRP/M, STEVE...He was running his SST at 2 watts mobile and sounded FB!! SO, first qso was SST to NC20, which is great!! BTW STEVE..thanks for sending me the info on the RIT for the SST. So, am doing the happy dance today! Going to take the NC20 mobile tomorrow. 72, and thanks to all the Norcal bunch for the NC20 effort. This rig is hot hot hot!!! I want a NC2040 now...real bad! Tom WB5QYT

HMMM....maybe Railroad mobile soon!

-----  
Date: Mon, 15 Mar 1999 14:40:27 -0600  
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>  
To: <qrp-1@lehigh.edu>  
Subject: [35617] SST es KC1  
Message-ID: <000001be6f24\$102ad1a0\$8dc9ce80@nathan.missouri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

OK, had a quickie building session last nite and put together my new KC1 that's going to go into the 30m SST. In the manual, Bob says that the best

place to mount the KC1 is in the top half of the case, along the left side of the rig (over the xtal filter), with the speed adjustment closest to the front. That's all fine and dandy, but I don't really like that idea because I'll have knobs sticking out of the top of my rig, and not only that, but they'll be along just one side. That being said, does anyone have experience with or thoughts on the following two options:

1) Mount the KC1 in the top of the rig, but mount it parallel to the front panel, with the speed control lined up with the volume control. This would put the keyer over the VXO though - is this a problem??? There would be about 3/16" clearance.

2) This to me is the more desirable option. Replace the 10k pot with a remote mounted one - mounted over the top of the keyer jack. Mount the two momentaries over the RF and Power jacks. Then, if possible, run these connections and the board connections to a header. Wire up the mating plug to this header to the KC1, and 3M double-stick tape the KC1 to the top panel, plugging in the header before I put it together.

Any ideas/comments/suggestions?

73,  
Nathan  
KB0NNV

-----  
Date: Mon, 15 Mar 1999 13:54:17 -0700 (MST)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: tom whalen <wb5qyt@efortress.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [35618] Re: Another NC20 up and runnin!!  
Message-ID: <Pine.SOL.3.91.990315134757.19902B-100000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tom,  
I've lost count of how many QRP kits you've built now. But certainly you've passed or exceeded the QRP Guru point. Great job.

Tom has been a QRPer for some time. We first met 3 years ago when he showed up for QRPTTF in Riley, New Mexico for the "Ghost Town" theme. Remember that? There's a photo in a QRPP of us trying to raise a vertical in that 60 knot wind. That was Tom's antenna. Did you ever get it straightened out, Tom? It was horribly windy all that day.

Did I mention the wind?



72, Paul NA5N

-----  
Date: Mon, 15 Mar 1999 12:59:25 PST  
From: "Bruce Prior" <n7rr@hotmail.com>  
To: qrp-l@Lehigh.EDU, qrp-canada@lists.gpfn.sk.ca  
Cc: mwheatp@gte.net  
Subject: [35619] Ruminations about QRP Monoband Rigs  
Message-ID: <19990315205927.18301.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-type: text/plain

#### QRPers

The design of most monoband QRP rigs originates with some specific idea about the way we want to operate them. We may like to cluster around a favorite net or QRP calling frequency, so our first thoughts are to optimize the rig for operating around that spot. If we're partial to CW, naturally we'll design a CW rig. If we prefer SSB, we'll likely make our design CW unfriendly, and rarely think about its possible use for AFSK digital modes. In short, we design rigs for ourselves, based on our own operating habits. That's fine if we're only going to build the rig for ourselves.

However, when that same design gets published or assembled into a kit or a finished rig that lots of others are going to use, our original parochial perspective may be inadequate. The rig may be built by hams in any ITU region who have a variety of frequency and mode privileges. Just as important, the rig may be carried by the builder far beyond the home QTH.

Major changes are afoot in amateur HF operation. Active amateurs continue to upgrade and are gaining more privileges. Digital modes are becoming more important. In the United States, the Novice Class is likely to be abandoned, and the Novice/Technician+ 80-m, 40-m, 15-m, 10-m CW sub-bands are likely to be converted to digital and phone operation. If we want to design a monoband transceiver that will continue to be popular, we need to think about two big issues: mode flexibility and complete frequency coverage. Let's take a look at each:

#### MODE FLEXIBILITY

Any modern CW rig can be converted rather simply into an FSK digital rig: you just have to add a diode-switched frequency-shifting circuit. A more sophisticated arrangement would allow the amount of shift to be

controlled. This would make faster data rates more practical. A savvy kit designer would not have to include the FSK parts in the base-level kit, but would leave room for such a circuit on the board and offer the FSK parts as an option.

Similarly, a CW option could be designed into an SSB kit. A crude method would be to insert a steady tone into the audio circuit and allow that tone to be keyed on or off. Perhaps a better option would be to allow the keying of a carrier with an appropriate offset frequency. Again, the base rig could be SSB only, but the kit is likely to be have more popular appeal if the board were designed for insertion of an optional CW mode.

Any SSB rig can be used for digital modes by inserting AFSK tones into the microphone circuit. The rig will work better in practice for digital operation if passband tuning, preferably at the IF stage, is included. Similarly, passband tuning greatly improves the use of a CW rig, including of course one with an FSK option.

#### COMPLETE FREQUENCY COVERAGE

Have you ever decided NOT to buy some kit or finished because it covered too much of an amateur band? Not likely. I can't think of any QRP monoband rigs which cover the entire amateur band except for 30-m. Perhaps somebody has produced one for 17-m or 12-m. If any monoband rigs exist which will cover 3.5 to 4.0 MHz or 7.0 to 7.3 MHz, please let me know. I'd be very pleased to be corrected, but I think to find full-band coverage, we'd have to look for a multiband/multimode rig like an SG-2020 or a K2. Even the otherwise very well designed Sierra doesn't fill the bill, except on the 30-m band.

You may ask, why build a CW rig that covers more than the CW sub-bands? I have to respond from personal experience. The answer is that you may need to use your rig someday in a critical situation where you need to contact a phone station. Back in the early 1980's, soaked in winter rain and badly hypothermic, I had to call for help one morning from the shore of a glacial-scoured fjord: Pitt Lake in British Columbia. There were a whole lot of mountains around and not much sky. On the 20-m band I could hear signals on only one frequency, 14.140 MHz, the Canadian SSB calling frequency. My CW plea was answered by Jean Ness, VE6BLJ, from her kitchen. She relayed the information to a Vancouver amateur who phoned an air taxi service which sent a floatplane to pick me up. A somewhat garbled account of the incident appears on pages 1-5 to 1-6 of MORSE CODE: The Essential Language by L. Peter Carron Jr. The 2nd Edition was published by the ARRL in 1991. (I'm now using my middle rather than my first name.)

I'd been snowshoeing in the nearby mountains, but avalanche conditions

forced me to retreat to lower elevations earlier than I d planned. I d left my Ten-Tec Argonaut 509, without a microphone, and with only a snap-action switch for a key, cached at the lakeside, since the Argonaut was too heavy to carry into the mountains. I wish that I had had a light-weight 20-m monoband QRP rig that I could have carried in my backpack. Most especially, I would have wanted it to cover the whole 20-m band.

Here s the rub: the QRP rig you re designing today may sometime be a potential life-saver for somebody in circumstances you can t predict. Please think beyond today and this week and design mode flexibility and full-band coverage into your design. By the way, if you re looking to find more customers for your rig, that s a great way to do it.

Thanks and 72,

Bruce Prior, N7RR / VE7HR Blaine, WA n7rr@hotmail.com

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Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Mon, 15 Mar 1999 15:21:44 -0600  
From: Bcieslak@ra.rockwell.com  
To: Qrp-l@lehigh.edu  
Subject: [35620] What are ECC's? Email QSL's?  
Message-ID: <86256735.00750EC1.00@ramilwsmt01.ra.rockwell.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I recently over heard some conversations about something called ECC's and it sounded like they were Electronic QSL's that are acceptable for some awards (I think it was a County Hunters net).

Any one now about them and how to use them???

Brian AE9K

PS. I worked an interesting call the other day.....K...1KW/qrp

-----

Date: Mon, 15 Mar 1999 17:18:33 -0500  
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>  
To: bmug@gwl.com  
Cc: qrp-1@lehigh.edu  
Subject: [35621] Re: Help  
Message-ID: <3.0.1.32.19990315171833.0076a594@mail49.cwix.com>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

At 08:25 AM 3/15/99 -0700, you wrote:  
Greetings Brad....I think I can help a little.

>

>OK, it has 3 tubes one each 6146, 6L6 and 12AT7. There are two air  
variable  
>caps (one labeled Load and the other Final) there is also a nice air wound  
>coil.

Here is my guess! The 12AT7 and 6L6 comprise a mike amplifier  
and audio power amplifier, configured as a plate modulator. I  
may also be a Heising modulator setup, modulating the screen grid  
of the 6146, as was done in the Heathkit DX35/40 transmitters.

The 6146 is the r.f.final, and I'd guess that the rig was setup  
to be driven by an external VFO, unless he was running the 6146  
as an oscillator. But that's not likely. Probably ran a Heathkit  
style VF1 or similar tube VFO to it and used a crystal socket for  
the input connector, which was fairly common years ago.

>

>Internally there is one iron wound coil and an iron wound transformer.  
Other

>than a place to plug a crystal not much else but resistors and caps.  
The bigger transfmormer is the plate modulation transformer, if it has  
more than two wires coming out of it. If it has just two, then it is  
a choke, and the rig indeed uses Heising modulation. I don't know  
off hand what the iron wound coil is, that hasn't registered yet!

>

>The power supply socket is an 8 pin tube socket. Looking at the socket from  
>where you would plug into it going clockwise from the key pin 7 has a  
heavier

>wire going to each of the 3 tubes. There are other power connections but I  
>didn't have the chance to trace them down.

The tubes are probably set up for 6 volt filament voltage, and will require  
maybe 1.5 amperes to light everything up. If I remember correctly, the  
12AX7 could be run on 6 volts by running the filament sides in parallel.  
Thats what the larger wire is for. The other voltages needed would be  
about 150 volts for the plate of the 12AX7, and the screen grids of the  
6L6 and the 6146. The plate of the 6L6 and 6146 can handle anything  
from 300 to maybe 450 volts without a problem. Too be sure, look up  
the maximum value for these tubes in an older ARRL handbook.

>  
>The MIC plug appears to be a 3 conductor but it is just slightly smaller than  
>our current 1/4 plug.  
Probably the military version, closer to 3/16 inch diameter plug.  
>  
>This rig is very nicely made. The case is hand made and the labels are stamped  
>into the metal. Oh, there is a place for a TUNE/OPER but the hole has been  
>closed with a plug.  
That capability could probably be restored. It was often implemented by removing the screen voltage to the final, which drastically reduced the power output capability of the final.

72 an GL.....sounds like a really nice find and a neat rig to put back on the air. Let me know how I can help.

Jim, K8IQY

-----  
Date: Mon, 15 Mar 1999 14:47:45 -0800  
From: Allan G Taylor <k7gt@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [35622] QRPTTF Team--East Bay hills, CA or NV/CA border  
Message-ID: <36ED8E11.2DCD@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am looking for one or more East Bay QRPers to team with for the QRPTTF event in April. I specialize in sites on ridges at a 2-3 mile hike-in distance.(Longer hikes available upon request!)

A K2 or NC20 or Sierra would be a plus. Otherwise we use the IC706 and burn up batteries. I have a 10m fiberglass mast, OHR/40m, keyer, etc.

Any takers?

I also could be interested in participating in a CA/NV border operation if someone knows of a suitable site. (I still think, with N6WG, that operating in sight of the Pacific should qualify as CA/KH6-DX for a border mult...!)

Allan K7GT

--

```

                                     |
                                   /|
                                 /  |
                               /Z  |\
Allan Taylor, PE  K7GT           | /599| \   QRP-L 1016 FISTS 3222
    k7gt@arrl.net              /| /____|__\  ARS 228    10X 69929
operating nr SF/Oakland CA    /_/_/_/_/_\  DXCC 8171/CW 1395/40m
..."QRP, QRO, or barefoot..."... [\-----/
~~~~~

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-----  
Date: Mon, 15 Mar 1999 16:46:32 -0600  
From: Clifton W Sikes <ab5uacw@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [35623] Ft. Tuthill....When? Ft. Smith....Fun  
Message-ID: <19990315.164633.6606.0.ab5uacw@juno.com>

Just wanted to say what a nice job you did, Jay. I had a great time, and hated to miss the meal. We drove in snow for most of the return trip, but was worth it. If we had waited any longer to leave, it would have been a real mess. Always nice to see Chuck and Doug in this part of the world. Jim Cates, we're still looking for you at Ingrid's, for breakfast. THAT would be a pleasant surprise!

Tuthill, July 24-25? Maybe, just maybe. It seems that my wife is going to San Antonio, for a class that week. Pizza is on Joe, and the root beer is on me!  
Hope it works out

72,

Clif AB5UA

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or call Juno at (800) 654-JUNO [654-5866]  
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Date: Mon, 15 Mar 1999 14:55:00 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <k7gt@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [35624] Re: QRPTTF Team--East Bay hills, CA or NV/CA border

Message-ID: <246301be6f36\$ddac5b50\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Allan G Taylor <k7gt@arrl.net>  
(I still think, with N6WG, that  
>operating in sight of the Pacific should qualify as CA/KH6-DX for a  
>border mult...!)

Agreed! That's where I'll be. After all, the next state is a full  
day's drive away.

Mike K1MG

-----  
Date: Mon, 15 Mar 1999 23:09:58 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [35625] Portable Chair Found!!!!  
Message-ID: <36ED9346.3849@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Friends, I can't believe I didn't share this news first  
thing this morning.

Must be that "memory" thing going....

Anyway. \$10.00 + Tax at "TARGET" stores.

This is an amazing chair!!! Complete with the back support.  
It folds up like a spider and fits in a straight, draw-string  
sack with a keeper on the string, so no tying.

The transportable size about the same as a two person pup-tent.

Easy carrying strap sewn into the sack. This thing is cool!

They had choice of Blue, green, or Black chairs. Of course I always get Black.... goes with everything :)

HIGHLY Recommended chair.

I am one very happy camper. Everyone I showed this chair to is buying one today.

I know ARS at natworld.com had some request for a trail friendly chair. I think this one might be it.

I HAVE NO additional information. No connection with any commercial interests anywhere.

Just a frugal ham sharing his discovery.

If you need a great chair, backpackable, this is A MUST BUY!

-Ed

--

-Ed AR QRP Millennium QSO's=518/2000

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Mon, 15 Mar 1999 18:17:00 -0500

From: "Bill Legge, NT1R" <wlegge1@maine.rr.com>

To: <tentec@contesting.com>

Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [35626] Sold-TT Argo 556, Thanks

Message-ID: <199903152315.SAA17101@proxye3-atm.maine.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Bill Legge, NT1R in Yarmouth, ME

QRP-L #912  
-----

Date: Mon, 15 Mar 1999 23:15:50 -0500

From: pmk@juno.com

To: qrp-l@lehigh.edu

Subject: [35627] IC Chip placement discovery. (I never knew this) New guys take



note!

Message-ID: <19990315.231603.3350.4.pmk@juno.com>

Ground plane short.

I finished building my last 38 Special and sure ran into a snag har. It is number 4 as the first one was a flop (remember when all the mods were flying around ?). I got 2 of them the first round.

NEW GUYS READ FROM HERE ON!

The second one I built stock then did the mods 1 at a time. It is still working FB. The 3rd one I built for a friend complete with the crystal ladder filter mod (which I will do on this one).

Now on number 4( (By the way I used Martys KM7W Consolidated manual)Thanks again Marty) I built it exactly like the last one. Low and behold when I put the coals to it, it had the worst garbage I had ever seen on my Oscope for TX. I was sure depressed as I built it last eve and couldn't believe I was hooking a battery to it. Being confused I went off to bed (around 1:00 am). I awoke this morning and piddled around with it and noticed when I would hold down the board while keying it up she cleared up FB. I thought it was a cold solder joint and cleaned up a few (I went light where the mods are going), Then the problem was permanent. I just about cracked the board in two trying to clear up the signal. Frustrated again I went off to work.

After getting home, showering the winding down after looking at a new Mouser cat. I went back to the shack. Thinking today the first thing I will try is the power supply. That wasn't it. Next was the old piece of straight pin in the end of a dowel rod (boy is that a handy tool)

I did what my dad showed me when I was about 5 or 6 (he used a plastic rod pointed from a pencil sharpener) and started moving things around. When I got to one of the crystals there it was. Everything cleared up and was transmitting and receiving FB.

For those still reading, remember how close X2 and U5 (CD4066) were ? I pulled out the CD4055 and looked at it with a lope and sure enough there was 2 copper wire looking things on the end of it and even though they are black plastic I could even see the end of the ground plane (I could be wrong as I have never seen one before the plastic was molded or installed on a chip)

I just thought I would share this with the group as I have never ran into this kind of problem or even heard of it happening but now I have proof hi.

I am off to mod it out and the last mod will be for the 40mtr mod.

72 de Patrick KD4OBQ

AR

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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 15 Mar 1999 15:45:03 -0800  
From: "Gary Evans" <gevans@lightspeed.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [35628] For Sale  
Message-ID: <000201be6f3e\$10cd5460\$df46d8cc@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have the following items for sale:

1. NIR-12 , DSP unit, by JPS Communications  
Dual digital signal processors (DSP) provide simultaneous bandpass operation, noise reduction, and multiple tone/heterodyne removal. The notch filter eliminates all tones. The unit was purchased six months ago, but never used. \$275. plus shipping. Firm
2. Cushcraft A3S - Three element tri-band beam. Brand new - Still in box. \$275, plus shipping. Firm
3. Vectronics keyer, model CK200.  
9V battery or 9-12V adapter  
Speed - 6-50 wpm  
Iambic Operation - Type A or B  
Keying - Positive, Negative, or Relay  
Brand New  
\$50.00 - plus shipping
4. Radio Shack Digital Signal Processor - DSP 40

New in the box - \$35.00, plus shipping

Thanks...Gary Evans, AA6R  
Visalia, Ca

-----  
Date: Mon, 15 Mar 1999 17:51:25 -0600  
From: Jeff Johns <jeffj@scott.net>  
To: qrp-l@Lehigh.EDU  
Subject: [35629] Test Equipment  
Message-ID: <199903152351.RAA26047x@scott.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

I have really gotten into building things here lately as it has been quite an enjoyable experience. I don't have a problem building the kits.... I'm pretty good at following instructions <g>. The only problem I have is a lack of test equipment. All I have is a digital multimeter and while it's an extremely useful piece of equipment, it just can't do all I need it to do. If you guys/gals were going to try and save a bit of cash to buy some test equipment, what would you buy? I do know that I'm going to buy a MFJ Antenna Analyzer. I borrowed one when building my SW40 for use as a frequency counter. I was amazed at what the antenna analyzer can do and think it is a valuable piece of equipment, but what else would be valuable to me in kit building and troubleshooting and fixing these items?

73 Jeff

\*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----\*  
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, AO-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA
\*-----\*

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End of QRP-L Digest 1396

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